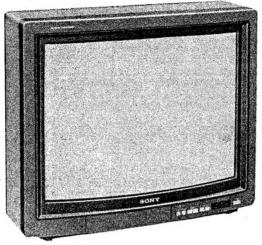
SERVICE MANUAL

US Model

Chassis No. SCC-595B-A



December, 1984

P2B CHASSIS

SPECIFICATIONS

Television system

American TV standards

Channel coverage

VHF: 2-13 UHF: 14-69

Cable TV: 1-125

Picture tube

Microblack Trinitron

25-inch picture measured

diagonally

114-degree deflection

Antenna

75-ohm external antenna terminal

for VHF/UHF/CATV

Inputs

VIDEO 1, 3 INPUT (phono jacks) Video: 1 V p-p, 75 ohms

unbalanced, sync negative Audio: 408 mVrms (100% modula-

tion, 47 kilohms) VIDEO 2 IN AV (AV jack)

Video: 1 Vp-p, 75 ohms unbalanc-

ed, sync negative Audio: 408 mVrms (100% modula-

tion, 47 kilohms)

RGB MULTI INPUT (See next page.)

CONTROL IN (minijack)

5V p-p

75-ohm external antenna terminal

for VHF/UHF/CATV

AUX 75-ohm auxiliary antenna

terminal

FROM TV STAND connector for the

optional SU-171 TV stand

Outputs

TV OUT (AV jack)

Video: 1 Vp-p, 75 ohms unbalanc-

ed, sync negative

Audio: 408mVrms (100% modulation, 5 kilohms)

MONITOR OUTPUT (phono jack)

Video: 1 Vp-p, 75 ohms unbalanced, sync negative Audio: 408mVrms (100% modulation, 5 kilohms)

CONTROL OUT (minijack)

5V p-p

PHONES (stereo minijack) Accepts 8-ohm headphones

SPEAKER

Accepts speakers of 8 ohms

TO CONVERTER terminal

Power requirements

120V AC, 60 Hz

Power consumption

185 W (max.)

1.5 W (in standby condition)

Dimensions

635 × 547 × 478 mm (25 × 215/8 × 187/8 inches) without speakers 700 × 547 × 478 mm (275/8 × 215/8 × 187/8 inches) including speakers

45 kg (991b 4oz) Weight

(without speakers)

Continued on page 2 —



TRINITRON® COLOR TV SONY



3652

RGB MULTI INPUT (34-pin plug)

Di- N-	Cinnal analysment
Pin No.	Signal assignment
1	+5 V power supply
2	+5 V power supply
3	Audio (R) input ground
4	Ground
5	Remote control ground
6	Composite video output ground
7 .	Audio (L) input ground
8*, 9*, 10*	Ground
11	Ground
12*, 13*	Ground
15*	Ground
16	Ground
20	Audio (R) input
21	Mode select
23	Composite video output
24	Audio(L) input
25	Red input
26	Green input
27	Blue input
29*	Blanking input
30*	H. sync or composite sync
31*	V. sync
33	RGB/NORMAL mode select
34	Audio select
14, 17, 18, 19, 22, 28, 32	Not in use

^{*}For No. 8 and 25, 9 and 26, 10 and 27, 12 and 29, 13 and 30, or 15 and 31 connections, use a twisted-pair lead.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK

ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

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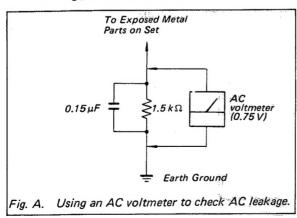
SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
- 2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- 4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cord for cracks and abrasion.
 Recommend the replacement of any such line cord to the customer.
- Check the condition of the monopole antenna (if any).
 Make sure the end is not broken off, and has

the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.

- 8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- 9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



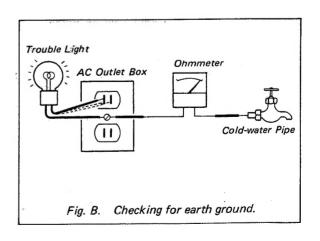
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

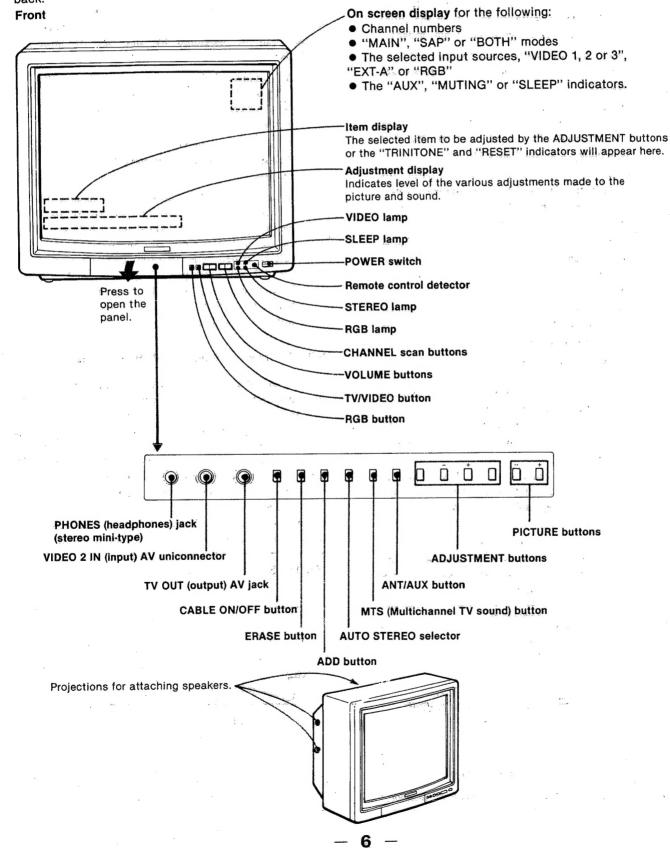


SECTION 1 OUTLINE

1-1. LOCATION OF CONTROLS

For details on the use of each control, refer to the pages indicated in brackets.

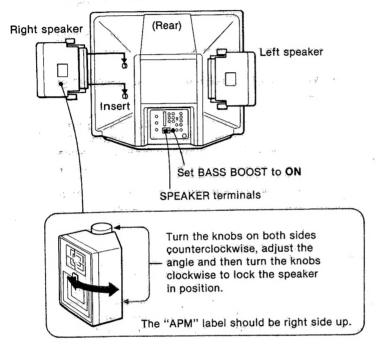
See page 10 for the location of jacks and controls on the back.



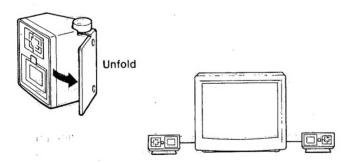
1-2. SET-UP SPEAKERS

Placement

Attaching the speakers to the TV



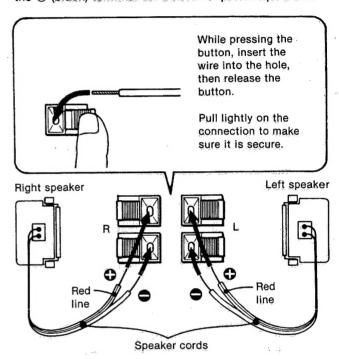
If desired, the speakers can be placed separately from the TV by unfolding the stand.



• Adjust the angle of the speakers, for best sound production.

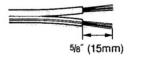
Connection

The speaker cord marked with a red line should be connected to the \oplus (red) terminal and the cord unmarked to the \ominus (black) terminal for correct in-phase operation.



If desired, larger 8-ohm speakers can be used as long as they are rated at 8-ohm impedance.

Expose and twist the wire ends of the cords of your speakers as illustrated below, and make the correct \oplus connections. For large speakers, set BASS BOOST switch on the TV to "OFF" to prevent excessive bass.





Strip about 5/8" (15mm) of the wire insulation from the ends...

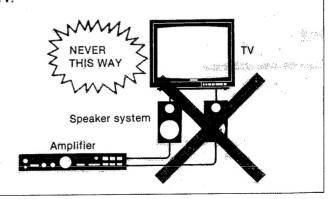
and then twist the wire ends.

Caution

- Be sure to use speakers that are rated at 8-ohm impedance with normal power holding capacity of more than 7W for the KV-20XBR and of more than 10W for the KV-25XBR.
- Make sure that none of the wire strands stick out, making contact with the neighboring speaker terminals.
- If you have connected a pair of speakers other than the supplied speakers, make sure to place the TV set at a distance away from the speakers so that it will not be affected by the speaker magnets. If a temporary proximity to magnets should cause portions of the picture to have poor color, turn the POWER off, and after about 10 minutes, turn it on again.

Speakers with low magnetic flux leakage such as the SS-X1A, SS-X2A, and SS-X10A speaker systems (optional) may be placed near the set.

Never connect an amplifier and this TV simultaneously to the speakers as this may damage the TV



Preparation

Make sure the following are properly set.

• On-screen "VIDEO 1, 2 or 3", "EXT-A" or "RGB"* indicators and the RGB or VIDEO lamp should be off. (Press TV/VIDEO button or RGB button as many times as necessary until they go out.)

• AUTO STEREO selector should be set to ON (depressed).

Depending on the channel to be viewed, check the following and change as necessary.

CABLE ON/OFF button

For VHF and UHF channels, set to OFF

On-screen "AUX"* indicator

(Press ANT/AUX button to change as necessary.)
For VHF, UHF and regular cable TV channels:

The indicator should be off. For pay cable TV channels:

The indicator should be displayed.

*The displays, "VIDEO" "EXT-A", "RGB" or "AUX" indicate that signals fed in through the VIDEO 1/3 INPUT jacks, VIDEO 2 IN AV uniconnector, the external audio jacks, the RGB MULTI INPUT connector or through the AUX terminals are being received.

1 Press POWER to turn on the TV.

The channel number will be displayed on the screen and the SLEEP lamp will light up for several seconds.

2 Select channels in one of the following two ways.

Press the numeral(s) of the channel and then press

Ex. To select channel 6, press 6 and then ENTER. To select channel 125, press 1, 2, 5 and then ENTER.

If you pressed a wrong numeral, wait for a few seconds and it will disappear. Then try again.

• Press CH "+" for higher-numbered channels and "-" for lower-numbered channels. Preset channels will appear in sequence. (For presetting desired channels, see page 9.)

The channel display will remain on the screen for a few seconds. To keep the display on the screen,

press DISPLAY.

3 Adjust the volume and picture to your preference, if necessary.

Press VOL "+" to increase volume, or "-" to decrease it.

Press PICTURE "+" to increase picture contrast, or "-" to decrease it.



If the picture rolls vertically, turn V HOLD control on the rear panel until the picture stabilizes.



To mute the sound immediately, press MUTING. The "MUTING" display will appear and remain on the screen. Press it again to restore the sound to its previously-set level or press VOLUME +.

To turn off the set, press POWER again.

To have the set turn off automatically after one hour, press SLEEP. The "SLEEP" display will appear on the screen a few seconds and the SLEEP lamp on the TV will remain lit for one hour.

To cancel the sleep timer, press SLEEP again so that the "SLEEP" display disappears, or turn off the TV.

LISTENING TO MULTICHANNEL TV SOUND(MTS) BROADCASTS

In the years to come, an increasing number of programs will be broadcast in stereo. Called Multichannel TV Sound or MTS, the new technology will greatly enhance TV viewing by bringing you programs with high fidelity stereo sound. MTS also provides for an extra channel called the Second Audio Program or SAP which broadcasters can use to transmit a second language for bilingual transmissions or some other sound track.

To receive a stereo program

Normally set the AUTO STEREO selector to ON (depressed). In this position, the STEREO lamp on the TV will light up whenever a stereo broadcast is received. To listen to the stereo sound, select the MAIN mode with the MTS button so that the on-screen MAIN indicator appears. The stereo sound will be heard from the left and right speakers.

Every push on the MTS button changes the indicator below the channel number as follows:

Select the appropriate mode according to various possible incoming broadcast signals. You can preset the mode while the indicators are yellow so that the selected sound will be heard automatically when the MTS program begins. The indicators turn green when a MTS program is actually being received.

When there is a SAP (Second Audio Program) broadcast Select the SAP mode so that the SAP indicator will be displayed and only the SAP sound will be heard from both speakers.

To listen to both MAIN and SAP broadcasts

Select the BOTH mode so that the BOTH indicator is displayed. The MAIN and SAP sounds will come out from the left and right speakers respectively.

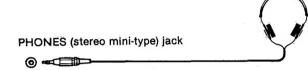
The MAIN sound becomes monaural(mixed) even if it is a stereo broadcast, as the sound comes only from the left speaker.

Notes

- The selected mode will be retained even after the power has once been turned off.
- There may be cases of stereo broadcasts where excessive "noise" will be heard due to a weak incoming signal. By switching the AUTO STEREO selector to OFF and returning to a monaural mode, the noise should be eliminated.

Use of headphones

For private listening of sound, connect a pair of 8-ohm headphones (optional) to the PHONES jack. The sound from the speakers will be cut off automatically.



If the plug of your headphones is a stereo phone-type plug, use the optional Sony PC-33 plug adaptor.



An earphone can also be connected to listen to the monaural (left channel) sound.

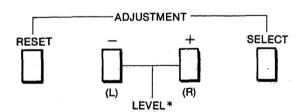
ADDITIONAL PICTURE AND SOUND ADJUST-MENTS

(Hue: Color: Brightness: Sharpness: Treble: Bass: Balance)

Additional picture and sound adjustments besides the adjustments made by the PICTURE and VOL (volume) buttons can be made as follows although your TV comes with its picture and sound preset at the factory for optimum performance.

The adjustments made can be cleared and the factory preset levels will be restored at once when the **RESET button** is pressed. (A "RESET" indicator will appear for a few seconds.)

Controls are inside the front panel.



- *"LEVEL" is printed above the buttons on the KV-20XBR.
- 1 Press SELECT button consecutively until the onscreen display of the item you desire to adjust appears.

The display will change as follows:

HUE → COLOR → BRIGHT → SHARP → TREBLE → BASS → BALANCE → back to HUE

The display will disappear after a few seconds but will appear again when the next step is taken.

2 Press LEVEL +(R)/-(L) button to adjust the selected item.

	Selected item	-/(L) Left button	+/(R) button
MENT	HUE	Skin tones become purplish	Skin tones become greenish
ADJUSTMENT	COLOR	For less color intensity	For more color intensity
RE AC	BRIGHT	For less brightness	For more brightness
PICTURE	SHARP	For less sharpness	For more sharpness
П	TREBLE	To decrease treble response	To increase treble response
STMEN	BASS	To decrease bass response	To increase bass response
SOUND ADJUSTMENT	BALANCE	To emphasize the left speaker's volume	To emphasize the right speaker's volume

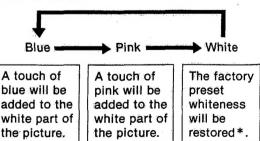
On-screen color-bar displays

When any of the above adjustments are made, a colored segmented bar appears on the screen to indicate the appropriate setting level.

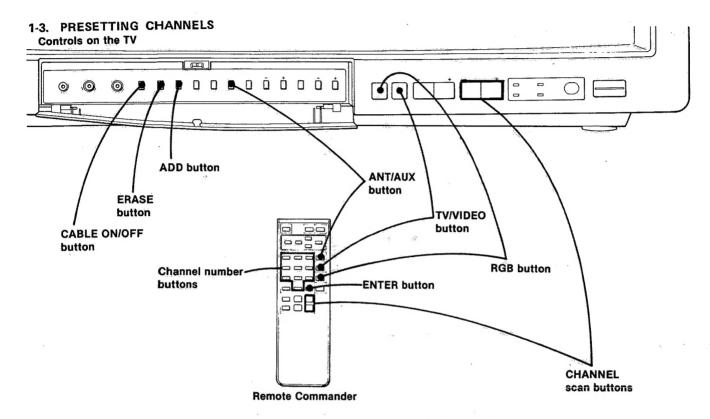
- The HUE setting is indicated by the ratio of the red (left) and green (right) segments.
- The COLOR level is indicated by the number of red segments.
- The BRIGHT, SHARP, TREBLE and BASS levels are indicated by the number of green segments.
- The stereo BALANCE is indicated by the ratio of the green (left) and red (right) segments.
- While the VOL or PICTURE button is pressed, the number of green segments show the sound or picture level.

TRINITONE adjustment

Usually color picture tubes are manufactured with a fixed color temperature (tint) that determines the "warmness (reddish)" or "coolness (bluish)" of the picture it produces. With Sony's Trinitone feature, you can adjust the tint of the picture to your own color preference. The adjustment is made using the color white as reference. When you press the TRINITONE button, a "WHITE" indicator will appear on the screen. Each consecutive press of the TRINITONE button will change the color of the indicator as follows:



*The TRINITONE adjustment will return to its factorypreset level at once when the RESET button is pressed.



Receivable channels of your set are:

VHF: 2-13 UHF: 14-69 CATV: 1-125

By adding and erasing channels, you can preset your TV so that only the desired channels appear in sequence when the CHANNEL +/- are pressed.

PREPARATION

- 1 Turn on TV.
- 2 Make sure the following are properly set. On-screen "VIDEO 1, 2 or 3", "EXT-A" or "RGB" indicators and the RGB or VIDEO lamp should be off. (Press TV/VIDEO button or RGB button as necessary)

until they go out.)

- 3 According to the channel to be added or erased, check the following and make the necessary changes if any.
 - CABLE ON/OFF button

For VHF and UHF channels, set to OFF II For cable TV channels, set to ON II

• On-screen "AUX" indicator

(Press ANT/AUX button as necessary.)

For VHF, UHF and regular cable TV channels:

The indicator should be off.

For pay cable TV channels:

The indicator should be displayed.

ADDING CHANNELS

- 1 Select the channel to be added by pressing the channel number buttons and then ENTER.
- 2 Press ADD.

A "+" indication will appear on the left of the channel display on the screen, indicating that the channel will appear in the proper numerical sequence when you press CHANNEL +/-.

Repeat steps 1 and 2 for other channels to be added.

ERASING CHANNELS

- 1 Select the channel to be erased.
- 2 Press ERASE.

A "-" indication will appear on the left of the channel display on the screen, indicating that the channel has been erased. When CHANNEL +/- are pressed, you will see that the channel is skipped over in the numerical sequence.

Repeat steps 1 and 2 for other channels to be erased. To add erased channels again, follow the steps in "AD-DING CHANNELS".

Note

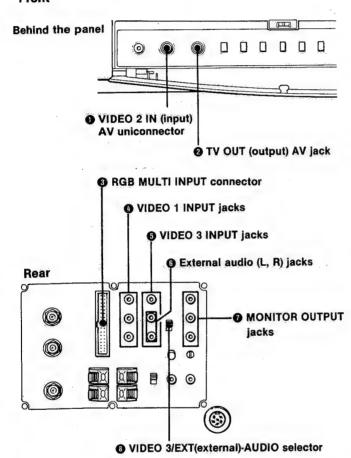
You cannot erase a VHF or UHF channel from the memory and retain a cable TV channel which has the same number, or vice versa. If either a VHF/UHF channel or a cable TV channel with the same number is to be kept in the memory, do not erase the number.

1-4. APPLICATIONS WITH OTHER OPTIONAL EQUIPMENT

This unit is equipped with various input/output jacks and terminals for your desired equipment to be connected.

For details on the various optional connecting cables to be used, see "OPTIONAL AUDIO/VIDEO CONNECTING CABLES" on page 11.

Front



• VIDEO 2 IN (input) AV uniconnector (AV jack)

Connect to the video and audio output jacks of a video cassette recorder or microcomputer. Video and audio signals are transmitted simultaneously.

2 TV OUT (output) jack (AV jack)

Connect to the video and audio input jacks of a video cassette recorder to record the output of the TV's built-in tuner. The TV tuner output will always be supplied even while other input signals are being viewed on the screen.

To record a TV program while viewing another video

- 1 Select the TV channel you desire to record.
- 2 Start recording on the VCR.
- 3 Press either TV/VIDEO button or RGB button to select the desired source to be displayed.

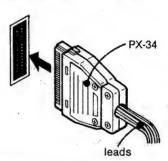
Note

- The TV channel (and therefore the output of this jack) will change if you press the channel number or CHANNEL scan buttons even while the on-screen "RGB" indicator or RGB lamp is lit.
- The TV channel cannot be changed when the on-screen "VIDEO" indicator or VIDEO lamp is lit.

13 RGB MULTI INPUT connector (34-pin jack)

This connector allows direct RGB hook-up to a microcomputer having RGB output.

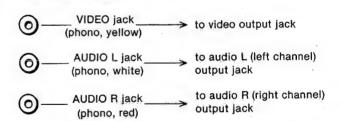
When connecting the microcomputer, use a connecting cable with a 34-pin plug that will match the RGB output of the equipment to the pin assignment of this connector designated on page 19.



To connect a cable with loose signal leads instead of a plug, use an optional PX-34 RGB multi connector. For details on the arrangement and the connection of the leads, read the instruction manual of the PX-34.

O VIDEO 1 INPUT jacks O VIDEO 3 INPUT jacks

Connect to the video and audio output jacks of a VCR*, video disc player, etc.



*You will achieve better picture and sound quality than by connecting the VCR only to the antenna terminal.

@ External audio (L/R) jacks

An external audio source can be connected to these jacks to be combined with the picture of the selected TV program. Connect to the audio/line output of the audio source.

To view FM simulcasted programs, see page 16.

MONITOR OUTPUT jacks (phono type)

Connect to the video and audio input jacks of a video cassette recorder or color monitor. Either the TV or VCR signal selected by the TV/VIDEO button is supplied. To record only the sound, connect the audio input jacks of a tape recorder to the AUDIO L and R jacks with a connecting cable such as the optional RK-74A.

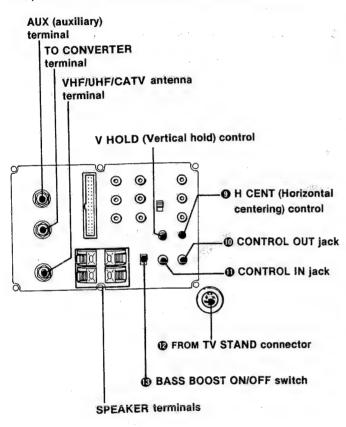
Note

The RGB signals are not supplied (and therefore will not be recorded on the connected VCR) from these jacks even when the RGB signals are displayed on the screen.

VIDEO 3/EXT(external)-AUDIO selector

If you have connected a VCR, video disc player, etc., to the VIDEO 3 INPUT jacks, set to "VIDEO 3".

If you desire to mix the sound of the external audio source connected to the © External audio jacks with the picture of the TV program, set to "EXT-AUDIO"



H CENT (horizontal centering) control

Usually keep this control at the center detent position. If the display of the equipment connected to the § RGB MULTI INPUT connector is shifted off center to the left side or right side of the screen, turn this control until the display is centered.

1 CONTROL IN/OUT jacks

These jacks are for connecting a future audio or video product also equipped with similar CONTROL IN or OUT jacks for the expansion of your audio-video system.

@ FROM TV STAND connector (6-pin DIN)

Connect the optional SU-171 TV stand which will enable you to turn on and off the power, adjust the volume, and select the channel of this TV with foot pedals.

® BASS BOOST ON/OFF switch

When the supplied side-mounting speakers are used, set this switch to ON to enhance the bass sound. When a larger speaker system is used, set this switch to OFF to prevent excessive bass.

1-5. CONNECTIONS OPTIONAL AUDIO/VIDEO CONNECTING CABLES

The optional connecting cables to be used for connecting other equipment depend upon what type of audio and video jacks the equipment you desire to connect has. The following charts will help you choose which cable you should use.

Cables to be connected to the VIDEO 1 and 3 INPUT jacks

Juono		
The type of audio and video jacks of the equipment to be connected.		Connecting cable to be used
Video (phono-type)	Audio (L, R) (phono-type)	VMC-2P3
Video (phono-type)	Audio (mini-type) ©	VMC-1MP3 (1 m), -2MP3 (2m)
Video (phono-type)	Audio (phono-type)	VMC-609MS

Cables to be connected to the VIDEO 2 IN and TV OUT (AV type) jacks

The type of audio and video jacks of the equipment to be connected.		Connecting cable to be used
Video (phono-type)	Audio (L, R) (phono-type)	VMC-610S
Video (phono-type)	Audio (phono-type) ⑤	* The PC-21 is supplied to the cable for a mini-type audio input.

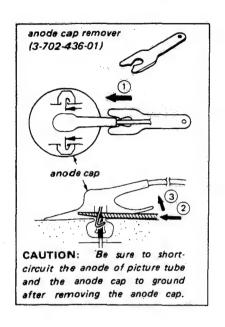
The following are few examples of the possible connections.

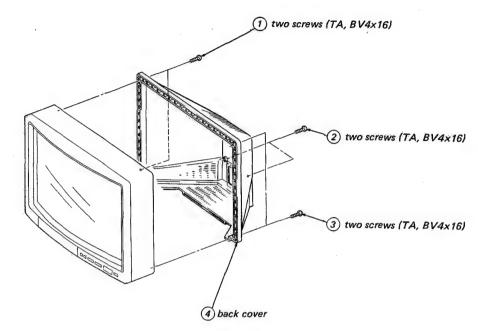
NOTES ON CONNECTION

- Before connecting, make sure that the power to each piece of equipment is turned off.
- The plugs should be fully inserted into the jacks. A loose connection may cause hum and noise.
- Match the color when connecting the plugs to the jacks.

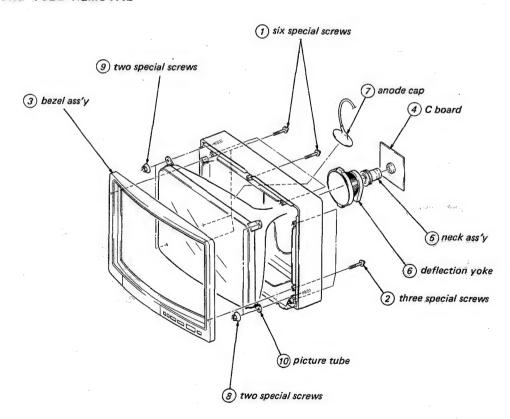
SECTION 2 DISASSEMBLY

2-1. BACK COVER REMOVAL





2-2. PICTURE TUBE REMOVAL



SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switches should be set as follows unless otherwise noted:

PICTURE control maximum

BRIGHT control maximum

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Focus
- 3. Convergence
- 4. White Balance

Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser



Preparation:

- · Feed in the white pattern.
- Before starting, degauss the entire screen.
- 1. Loosen deflection yoke screw.
- 2. Adjust purity control as shown in Fig. 1.

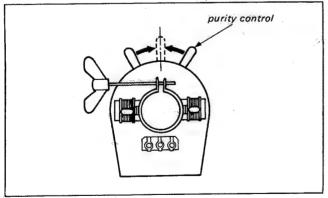


Fig. 1

- 3. Slide deflection yoke as far forward as it will go.
- 4. Position neck protector ass'y as shown in Fig. 2.

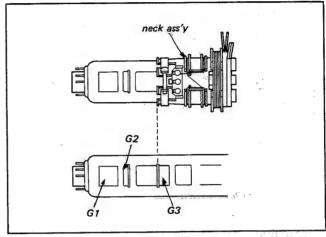


Fig. 2

- 5. Disconnect leads (B) and (G) on the C board.
- 6. Adjust purity control to center vertical red band as shown in Fig. 3.

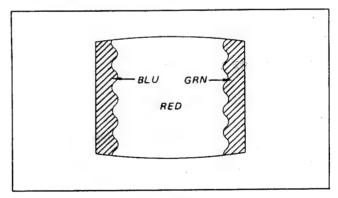
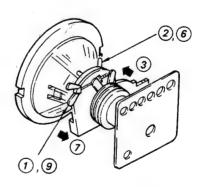


Fig. 3



Note: The circled numbers (1 – 9) show above steps.

- Slide deflection yoke back for a uniform red screen.
- Check green and blue rasters for uniformity by performing the same way as steps 5, 6 and 7.

To get a uniform green screen,

To get a uniform blue screen,

connect lead
 on the C board and disconnect leads
 and
 and

After these checks, connect the leads **B** . **G** and **B**

- 9. Tighten the deflection yoke screw.
- Check if mislanding appears at corners a-d as shown in Fig. 4. If mislanding is observed, correct it as shown in Fig. 4.

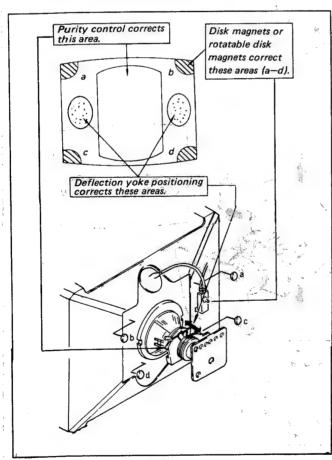


Fig. 4

 Confirm that beam landing is correct when the receiver is faced in all directions.

3-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHT control to fully counterclockwise.
- Feed in the dot pattern.

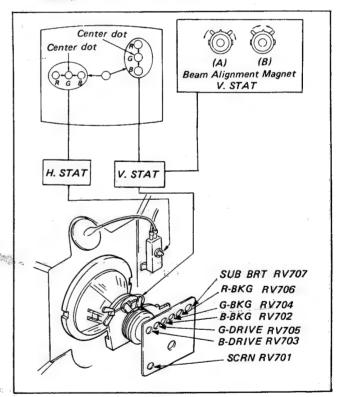
(1) Horizontal and Vertical Static Convergence

If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotage BMC magnet (b) to correct insufficient V.static convergence.

In either case, repeat Beam Landing Adjustment.



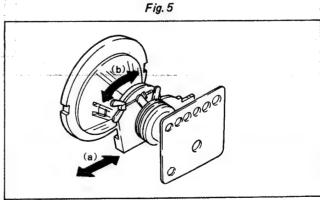


Fig. 6

Ó



(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
 - 1. Loosen deflection yoke screw.
 - 2. Remove deflection yoke spacers.
 - 3. Move the deflection yoke for best convergence as shown in Fig. 7.
 - 4. Tighten the deflection yoke screw.
 - 5. Install the deflection yoke spacers.

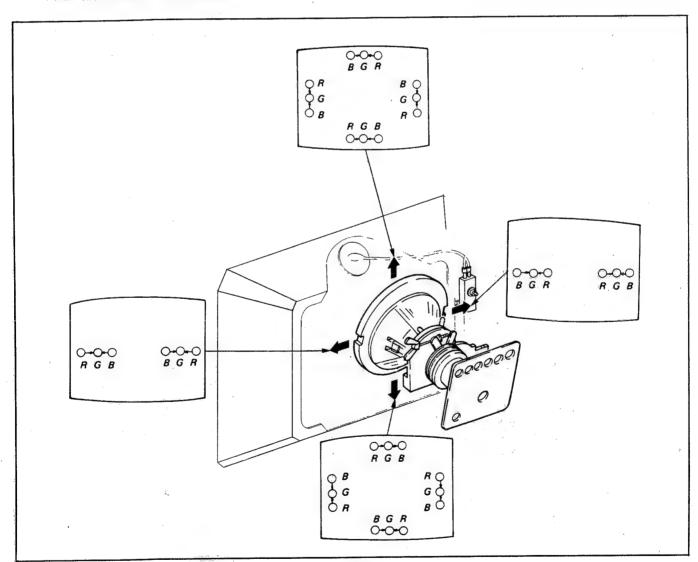
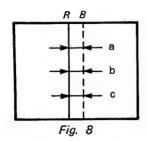


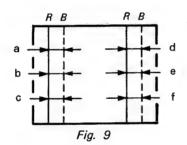
Fig. 7

6. Adjust the Y·CROSS (RV1506) and Y·BOW (RV1507), so that RED and BLUE shown in Fig.-8 will become a=b=c.

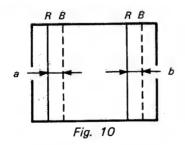


- 7. Match the horizontal convergence at the center of the screen with H STAT VR.
- Adjust the CORNER BOW (RV1508), so that RED and BLUE shown in Fig.-9 will become a=b=c and d=e=f.

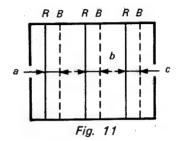
Note: At this point, if the relationship between a=c or d=f is not established, adjust the Y • CROSS (RV1506) again.



- 9. Match the horizontal convergence at the center of the screen with the H STAT VR.
- 10. Adjust the H TILT (RV1505) so that the RED and BLUE shown in Fig.-10 will become a=b.



11. Adjust the H AMP (RV1504) so that the RED and BLUE shown in Fig.-11 will become 2=2b.



- Match the horizontal convergence at the center of the screen with the H STAT VR.
- 13. When the H AMP is adjusted repeat the procedures described in Steps 10 to 12.
- 14. If divergence of the convergence exists at the corner of the screen, the adjustments described in Steps after 8 should be repeated.

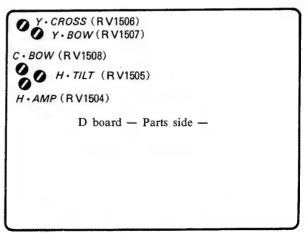


Fig. 12

(3) Corner Convergence

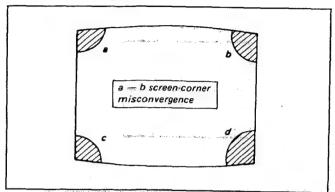


Fig. 13

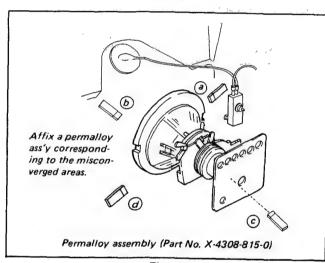


Fig. 14

3-3. WHITE BALANCE

Feed in the cross-hatch pattern.

- 1. Set the PICTURE and BRIGHT controls to minimum position
- 2. Turn B. DRIVE and G. DRIVE controls fully clockwise.
- 3. Set B. BKG, G. BKG and R. BKG controls to mechanical center.
- 4. Turn SCRN control slowly to obtain a faintly visible cross-hatch. Note the color that first becomes visible by turning SCRN control. Do not turn a BKG control for this color.
- 5. Adjust the other two BKG controls for best white balance (neutral gray) of the faint cross-hatch.
- Set the PICTURE and BRIGHTNESS controls to maximum position
 Observe the screen and adjust the DRIVE controls for best white balance.
- 7. Repeat Steps 1 through 6 several times.

3-4. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for a best focus.

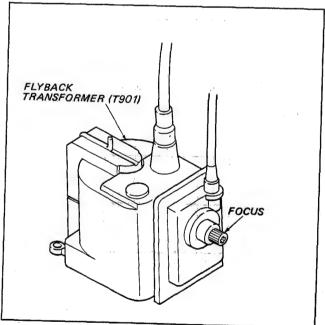
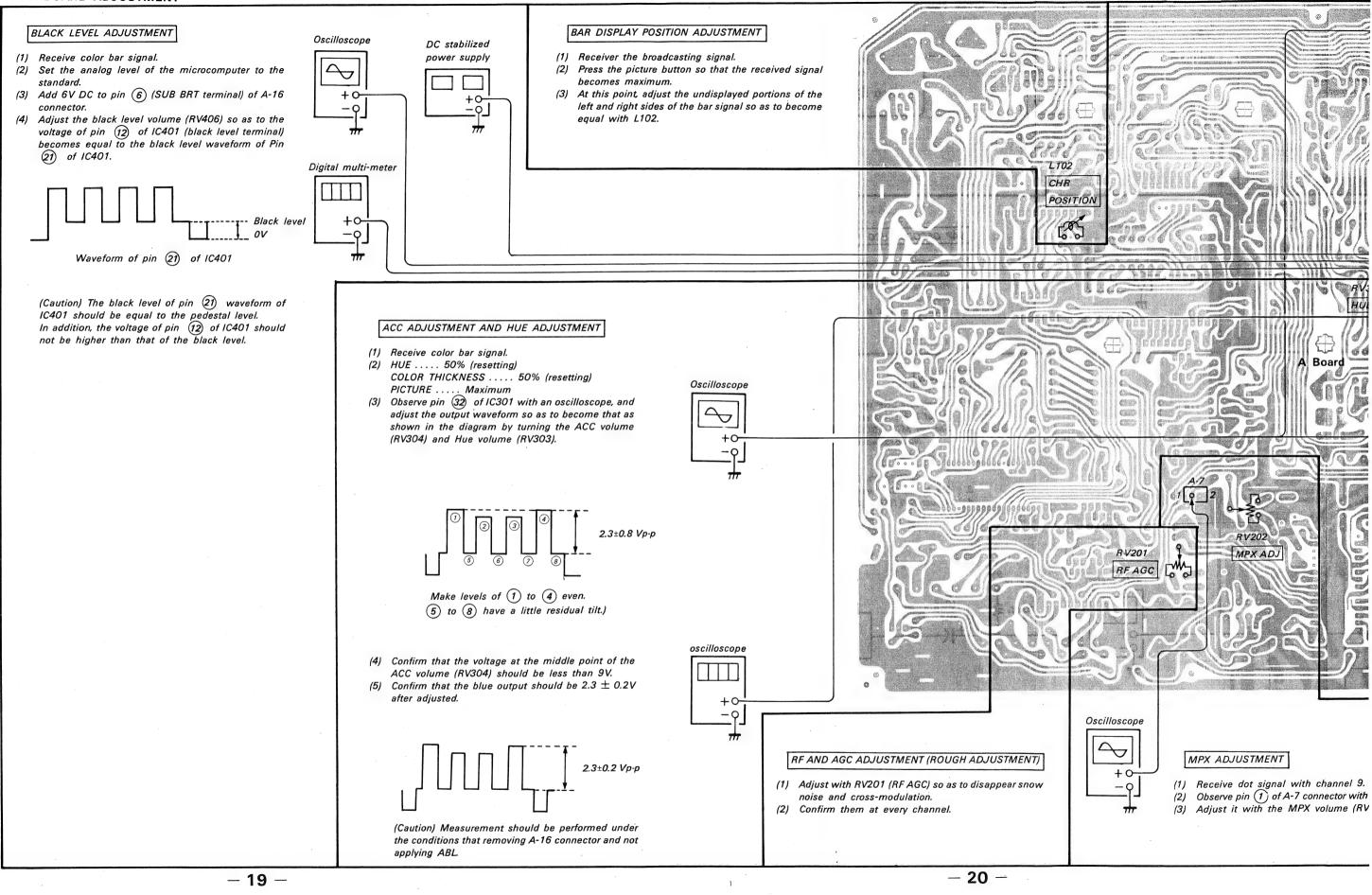
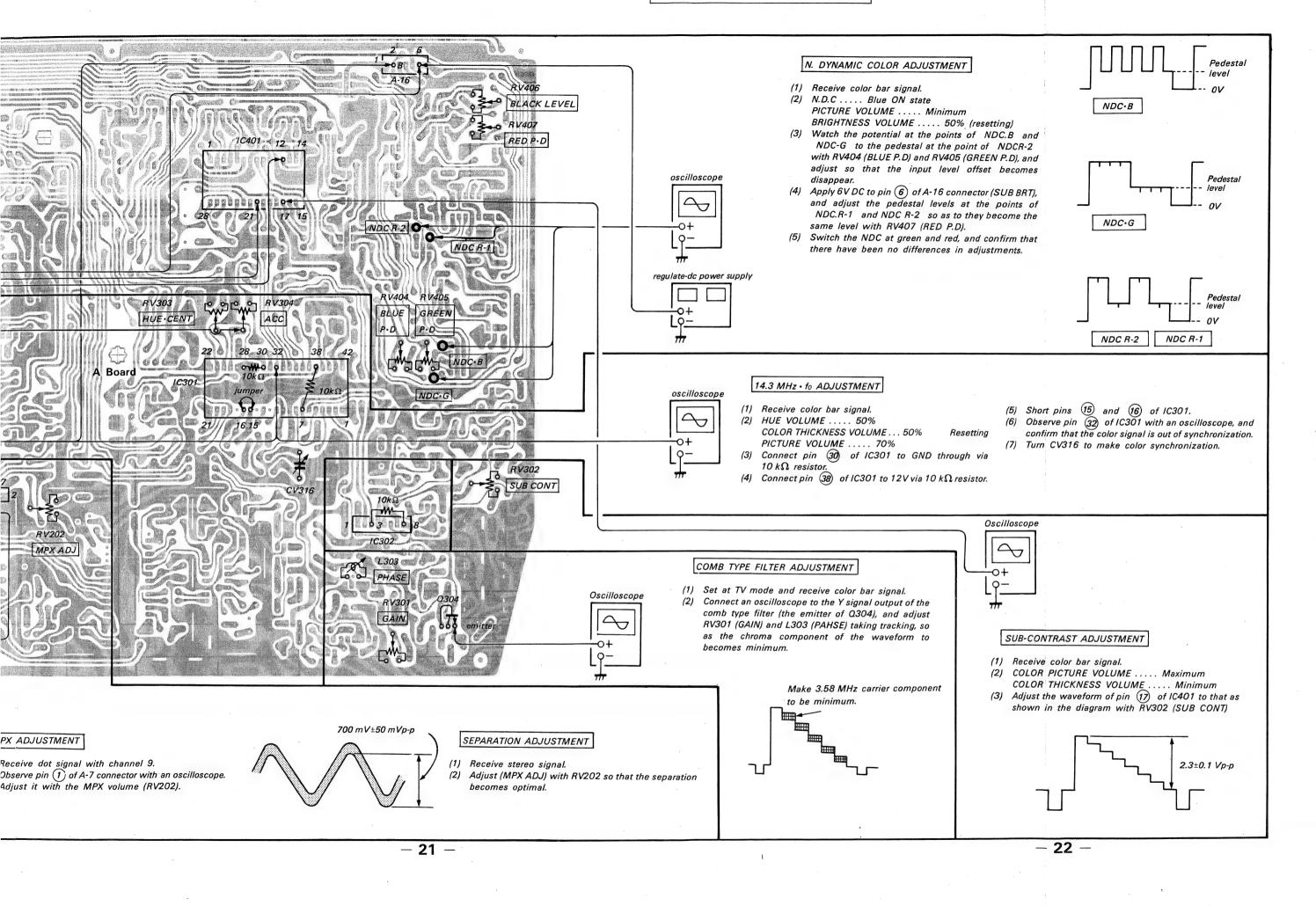


Fig. 15

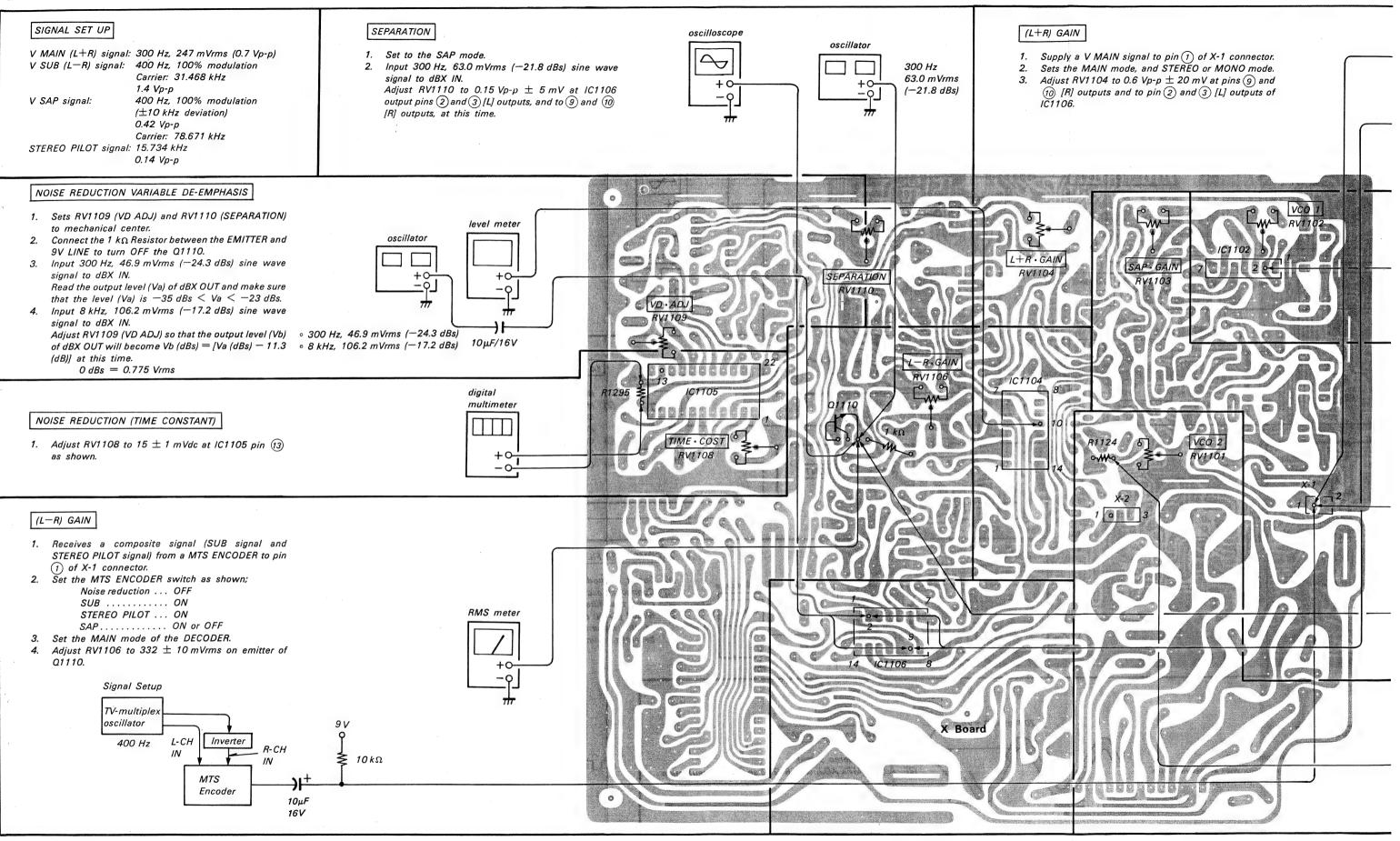
CIRCUIT ADJUSTMENTS

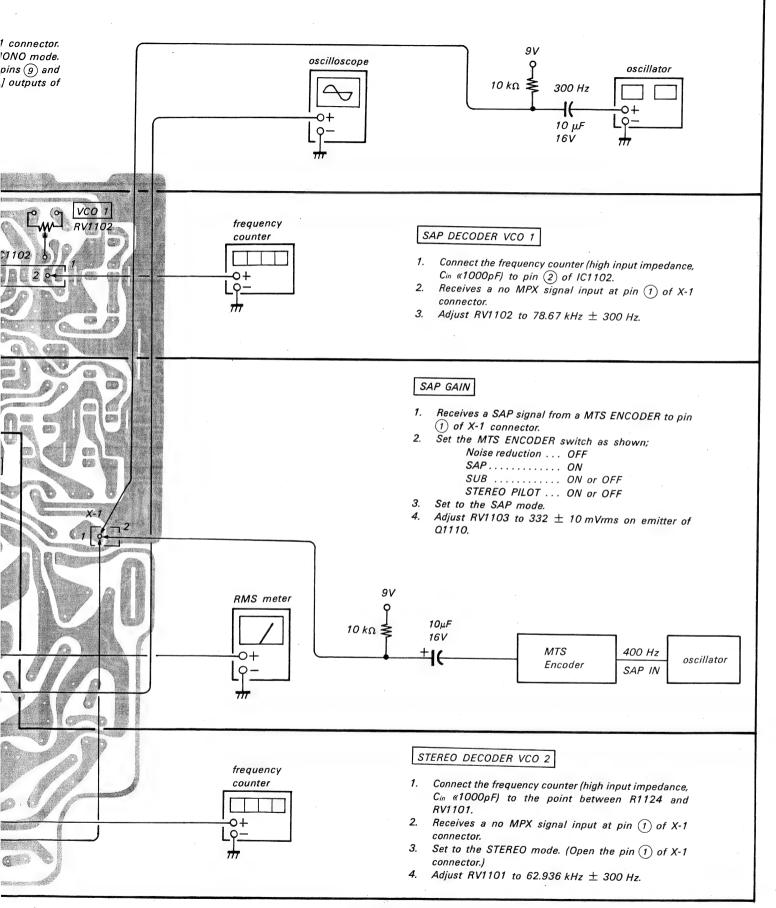
4-1. A BOARD ADJUSTMENT



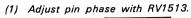


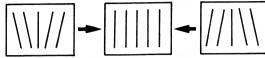
4-2. X BOARD ADJUSTMENTS

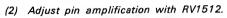


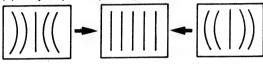


OPERATION CONFIRMATION OF THE LEFT AND RIGHT PINS DISTORTIONS AND ADJUSTMENTS (ROUGH ADJUSTMENTS)

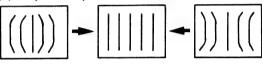




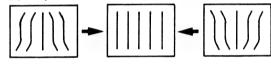




(3) Adjust U/L pin with RV1509.



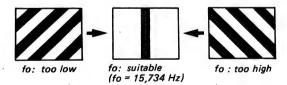
(4) Adjust PIN CORRECT with RV1510.

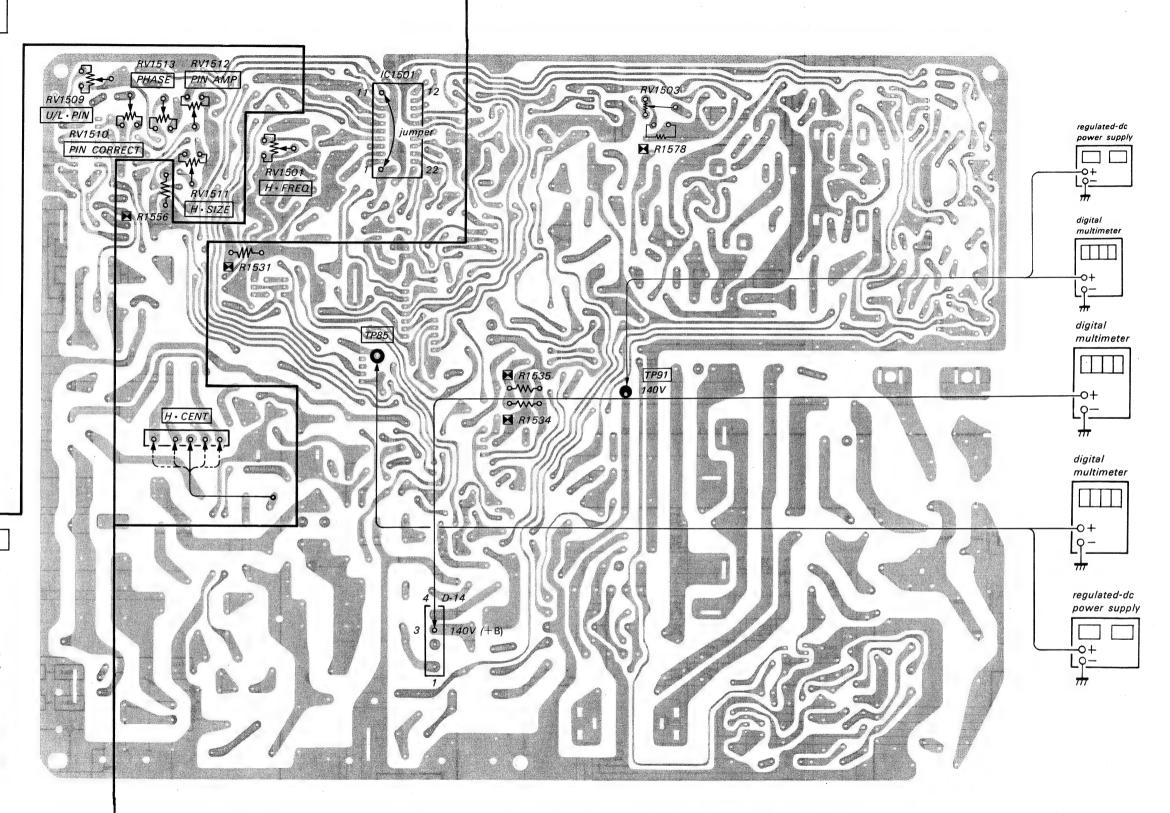


(5) Adjust the horizontal amplitude to 15.5 $^{+0.1}_{-2.0}$ frames with RV1511.

ADJUSTMENT OF HORIZONTAL SYNCHRONIZATION

- (1) Connect pin $\bigcirc{1}$ of IC1501 to pin $\bigcirc{1}$. At this time, be sure to connect pin $\bigcirc{3}$ of IC302 on the A board to 12V through 10 k $\bigcirc{1}$.
- (2) Turn the horizontal synchronizing volume (RV1501), and adjust the volume so as to flow of the picture becomes as shown in diagram.
- (3) Remove pin (1) from pin (1) and be sure to confirm the horizontal synchronization is normal and whether picture becomes out of order when channel is switched or not.





Confirming of Hold Down Circuit R1531, R1534, R1535, R1556, R1578

Perform the adjustment below when replacing any of the following components.

Regarding components of ■R1531 (HV HOLD DOWN) ☑ D1502, D1507, IC1501, Q1502, Q1503, R427, R431 R437, R438, R1512, R1519, R1529, R1530, R1531, R1532, R1533, R1543, R1544, R1545

Confirmation method

regulated-dc

power supply

diaita

digital

0+

digital

multimeter

regulated-dc

power supply

multimeter

- (1) +B MAX confirmation
 - 1) Set AC be 130 $\frac{+3}{-0}$ V and distortion rate be less than 3%, and receive monosco and reset picture and brightness.
 - At this point, the voltage on the 140V line should be less than 141.5V DC.
- (2) Operational confirmation of detected voltage
 - 1) Set AC be 120V \pm 3V and distortion rate be less than 3%, and receive entire white signal, and set the picture and brightness at MAX.
 - At this point, comfirm that the voltage more than 11.0V DC is appeared on TP85.
 - Inaddition, confirm that TP85 holds down when
 - 15.19 +0.0 V DC isapplied to it.

 4) Confirm that TP85 does not hold down when the voltage of 14.58 +0.05 V DC is applied to it.
 - Set AC be 120V±3V and distortion rate be less than 3%, and receive dot signal and set the picture and brightness at MIN.
 - 6) Confirm that TP85 holds down when 16.29 $^{+0.0}_{-0.05}$ V DC is applied to it.
 - 7) Confirm that TP85 does not hold down when 15.77 $^{+0.05}_{-0.0}$ V DC is applied to it.

V. SIZE CONFIRMATION

- The following adjustments should always be performed when replacing the following components (marked with an the components circuit).
- * Regarding components of R1578 (V. SIZE) **△**C1519, C1663, C1664, C1667, C1675, IC1501, L1514, R1522, R1578, R1579, R1580, R1581,
- R1582, R1583, RV1503, FBT, DY 1. Receive monoscope signal.
- 2. PICTURE PICTURE BRIGHTNESS RESET
- 3. Confirm that the V. SIZE at minimum should not exceed 14.6 frames by adjusting RV1503 (V. SIZE).

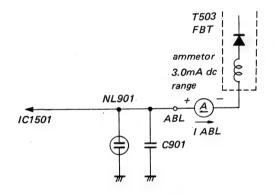
H. SIZE CONFIRMATION

- The following adjustments should always be performed when replacing the following components (marked with on the components circuit).
- * Regarding components of R1556 (H. SIZE) ☑ C1663, C1664, C1667, C1675, IC1502, L1514, R1556, R1570, R1635, R1636, R1638, RV1511, FBT. DY
- 1. Receive monoscope signal.
- 2. PICTURE BRIGHTNESS RESET
- 3. Confirm that the H. SIZE should be within 11.3 to 14.0 frames when adjusting the H. SIZE (RV1511) to maxi-

PROTECROE CONFIRMATION

- The following adjustments should always be performed when replacing the following components (marked with on the component circuit).
- * Regarding components of R1534, R1535 (PRO-
- ☑ D1508, D1509, IC301, IC401, Q1506, R339, R340, R348, R436, R1534, R1535, R1537, R1538, R1539, R1561, R1576
- 1. Receive color bar signal.
- 2. Turn the power supply of the set to ON.
- 3. PICTURE BRIGHTNESS | maximum COLOR
- 4. Apply DC 125.3 $^{+0.2}_{-0}V$ externally to +B line, and confirm that the PROTECTOR CIRCUIT becomes active and the raster disappears from the screen.

SAFETY RELATED ADJUSTMENT



CONFIRMING OF HV HOLD DOWN (■R1531)

When replacing the following components (marked with on the schematic diagram), perform the adjustment as follows.

- D1502, D1507, IC1501, Q1502,Q1503,R427, R431 R437, R438,R1512, R1519, R1529, R1530,R1531, R1532, R1533, R1543, R1544, R1545
- (1) Refore Adjustment
- 1. Supply 120V ac and the POWER switch set to ON.
- 2. Confirm that there is more than 11.0 V at the hold down check point TP-85.
- 3. The POWER switch turns OFF.
- (2) Readiustment Procedure
- 1. Disengage ABL terminal of FBT from the foil and connect the ammeter as shown to measure the ABL terminal

- 2. Supply 120V ac and the POWER switch sets to ON.
- 3. Apply 135V to TP91 from and external DC power supply.
- 4. Receive a stable signal such as an all-white signal and adjust ABL current to 1600±10 MA with PICTURE. BRIGHT, etc. VRs.
- 5. Confirm that the HV HOLD DOWN CIRCUIT operates and that raster disappears when 15.19 + 0.00 V is applied to hold down check point TP-85 from an external DC po-

Note: When raster disappears, cut input voltage and applied voltage immediately.

- 6. Confirm that the HV HOLD DOWN CIRCUIT does not operate when $14.58 {+0.05 \atop -0.00}$ V is applied to hold down check point TP-85 from an external DC power supply.
- Note: If the HV HOLD DOWN CIRCUIT operates, immediately cut input and applied voltage
- 7. Receive a stable signal such as a dot signal and adjust ABL current for 200 ± 10 µA with PICTURE and BRIGHT VRs.
- 8. Confirm that the HV HOLD DOWN CIRCUIT does not operate when $15.77^{+0.05}_{-0.00}$ is applied to hold down check point TP-85 from an external DC power supply.

Note: If the HV HOLD DOWN CIRCUIT operates, immediately cut input and applied voltage.

9. Confrim that the HV HOLD DOWN CIRCUIT operates and raster disappears when $16.29 {+0.00}_{-0.05} V$ is applied to hold down check point TP-85 from an external DC pow-

Note: When raster disappears, cut input voltage and applied voltage immediately.

10.Adjust R1531 so that steps 5, 6, 8 and 9 are satisfied.

- 11. The POWER switch turns OFF.
- 12. Remove external DC power supply and DC ammeter.
- 13. Solder FBT ABL pin.

CHECKING AFTER H.V.R. REPLACEMENT

After replacing H.V.R., *comfirm that there is more than 11.0 V on HOLD DOWN check point TP-85.

* This check is to be performed when H.V.R. only is replaced, and has no relation to the HV hold down circuit readjustment for replacement of parts marked .

MAXIMUM +B VOLTAGE CONFIRMATION

- 1. Supply 130V ac to with variable auto-transformer.
- 2. Tune in an off air signal.
- 3. Set the PICTURE control to initial setting and BRIGHT control to mechanical center.
- 4. Confirm the voltage on digital multimeter is less than 141.5V dc.
- 5. If step 4 is not satisfied, replace IC651 on GB borad and repeat above steps.

CHECK AFTER IC651 REPLACEMENT

- 1. Supply 130 V ac to with variable auto-transformer.
- 2. Tune in an off-air signal.
- 3. Set the PICTURE control to initial setting and BRIGHT to mechanical center.
- 4. Confirm the voltage of TP91 is less than 141.5 V dc.
- 5. If step 4 is not satisfied, replace IC651 in GB board and repeat above spteps.

CONFIRMATION OF H.SIZE (MR1556)

Perform the adjustment below when replacing any of the following components.

☐ C1663, C1664, C1667, C1675, IC1502, L1514, R1556, R1570, R1635, R1636, R1638, RV1511,

Confirmation method

- 1. Receive monoscope signal. BRIGHTNESS
- Confirm that the H.SIZE should be within 11.3 to 14.0 frames when adjusting the H.SIZE (RV1511) to

CONFIRMATION OF V.SIZE (■R1578)

Perform the adjustment below when replacing any of the following components.

∠ C1519, C1663, C1664, C1667, C1675, IC1501, L1514, R1522, R1578, R1579, R1580, R1581, R1582, R1583, RV1503, FBT, DY

Confirmation method

- 1. Receive monoscope signal.
- BRIGHTNESS
- Confirm that the V.SIZE at minimum should not exceed 14.6 frames by adjusting RV1503 (V.SIZE).

CONFIRMATION OF PROTECTOR (MR1534, R1535)

Perform the adjustment below when replacing any of the following components.

☑ D1508, D1509, IC301, IC401, Q1506, R339, R340, R348, R436, R1534, R1535, R1537, R1538, R1539, R1561, R1576

Confirmation method

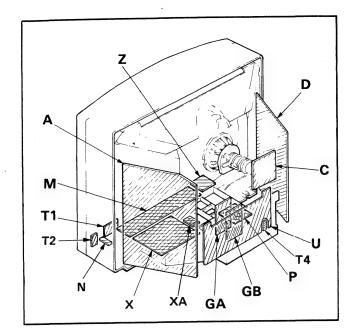
- Receive color bar signal.
- Turn the power supply of the set to ON.
- BRIGHTNESS..... maximum COLOR
- 4. Aplly DC 125.3 $_{-0}^{+0.2}$ V externally to +B line, and confirm that the PROTECTOR CIRCUIT becomes active and the raster disappears from the screen.

KV-25XBR RM-724/APM-X3U

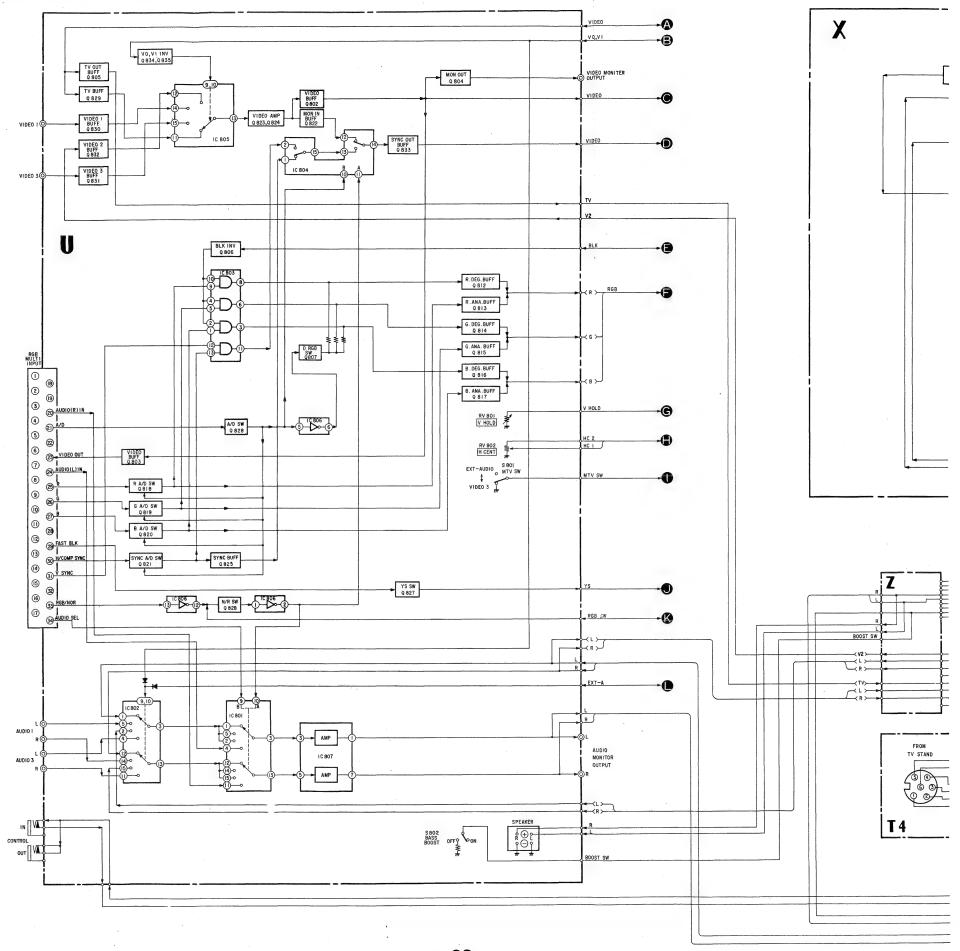
KV-25XBR RM-724/APM-X3U

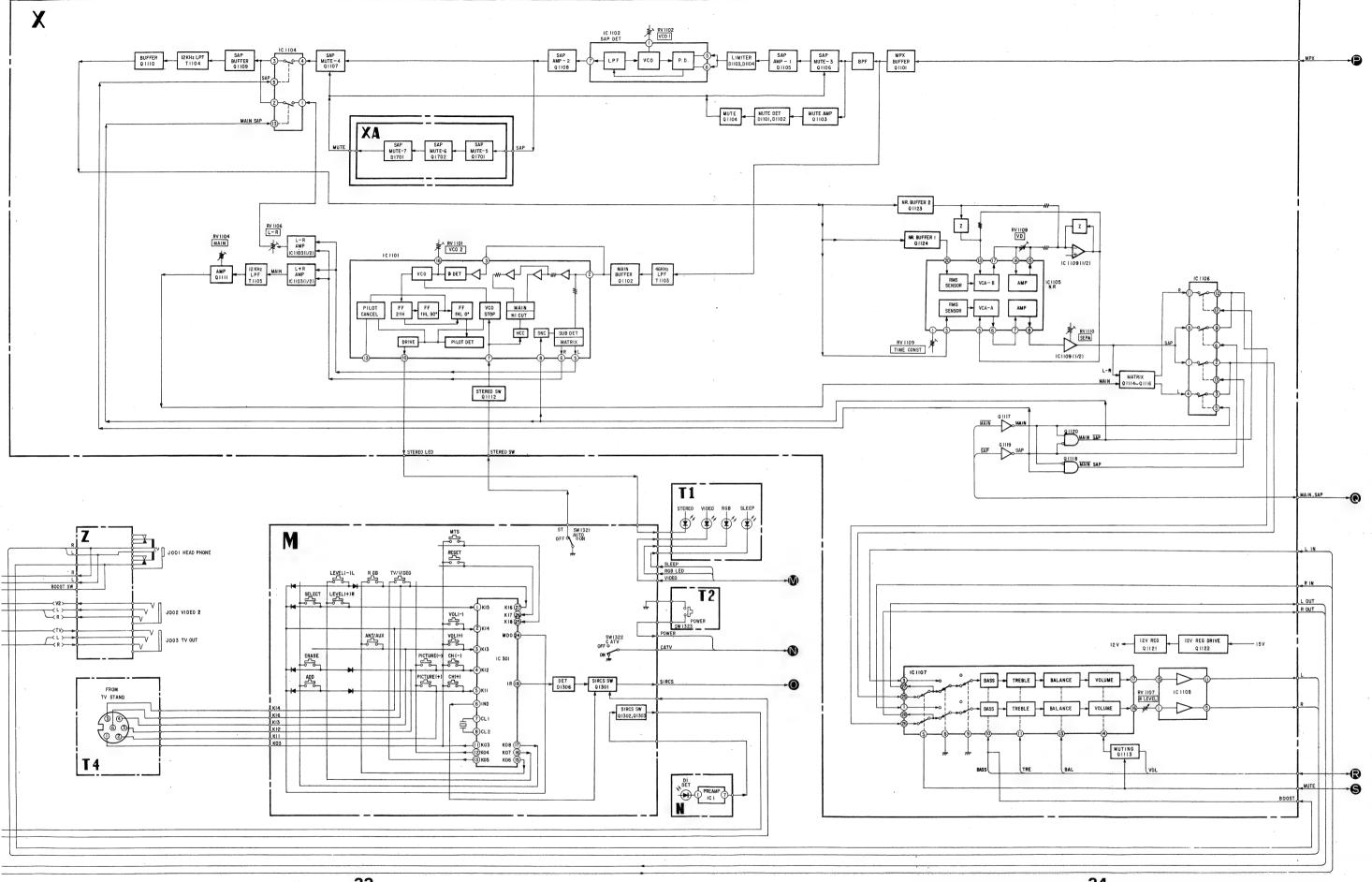
SECTION 5 DIAGRAMS

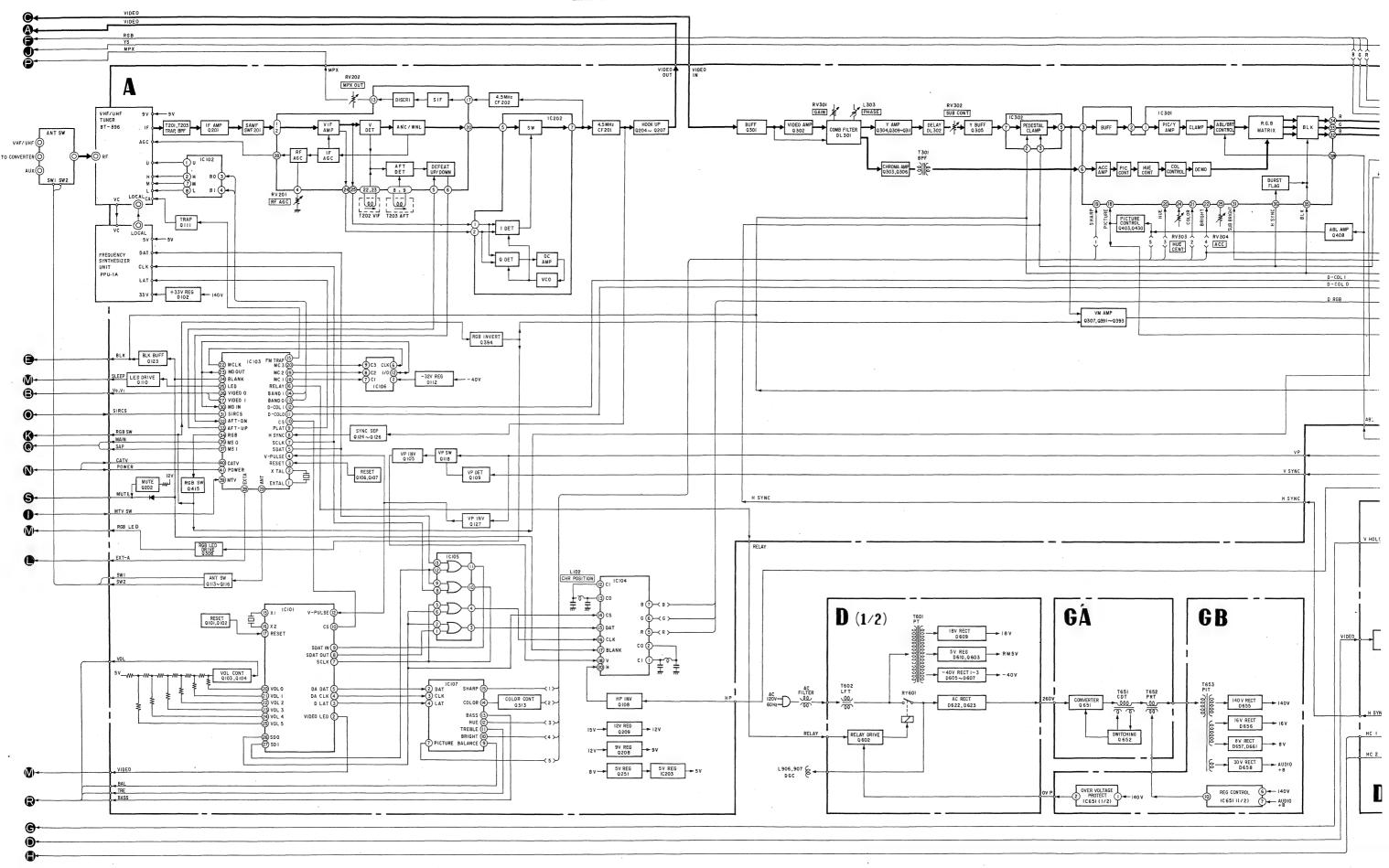
5-1. CIRCUIT BOARDS LOCATION

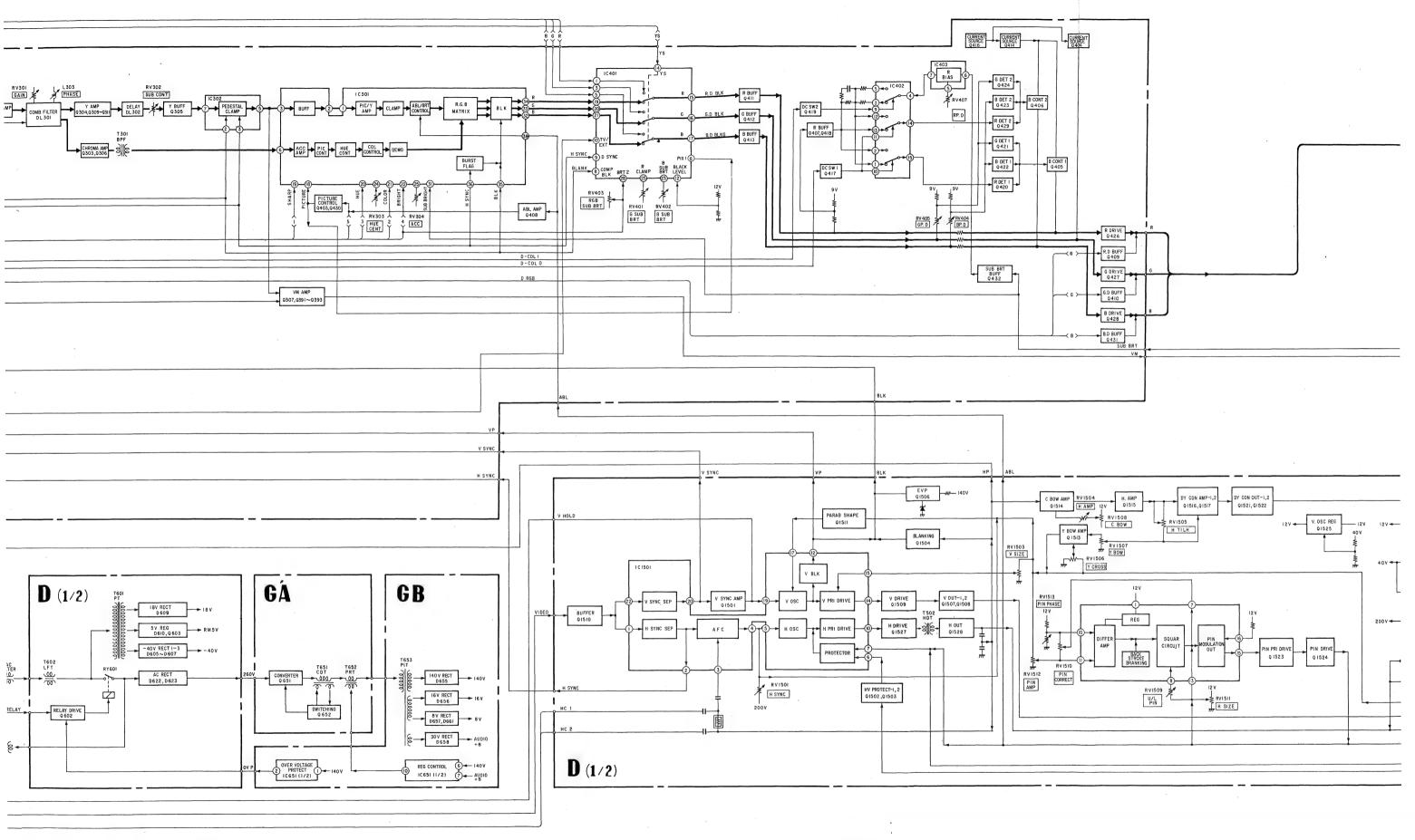


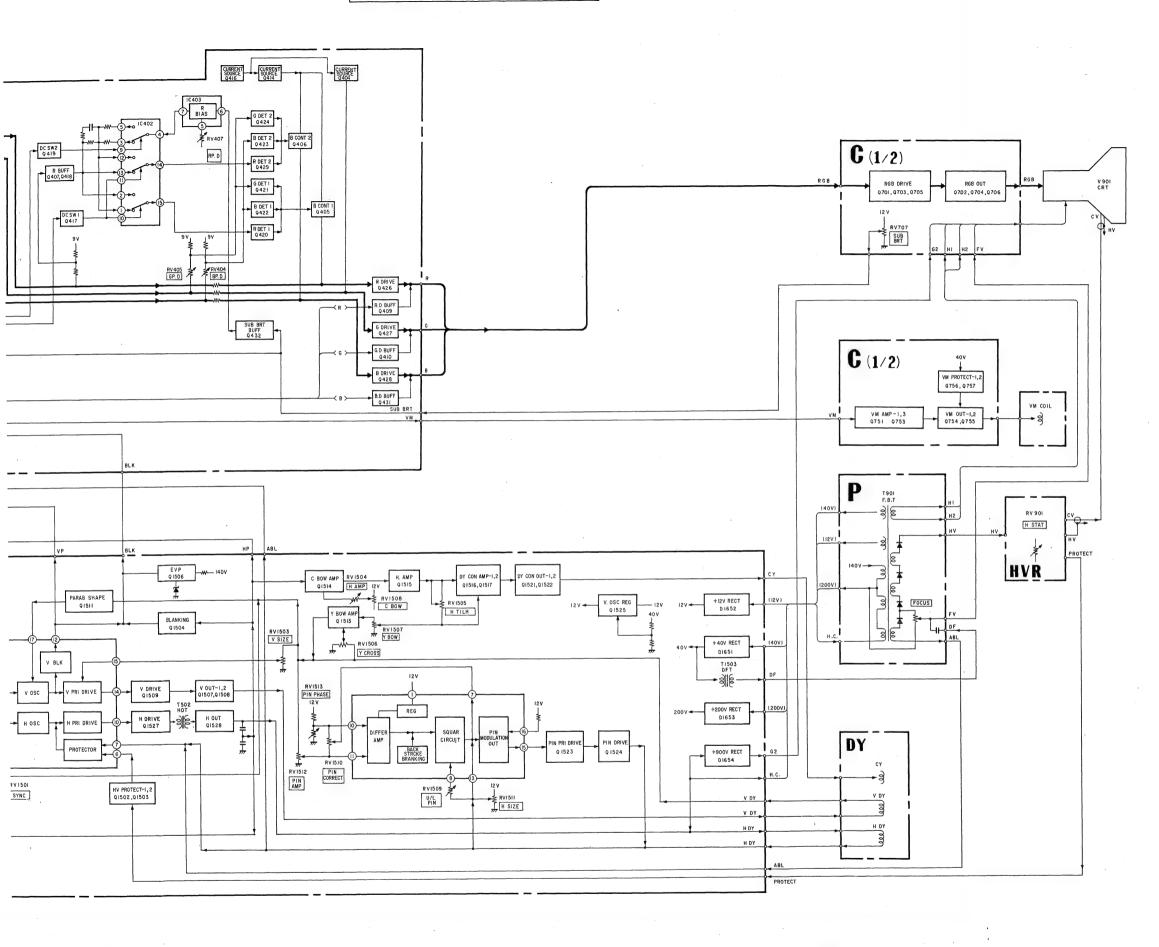
5-2. BLOCK DIAGRAM



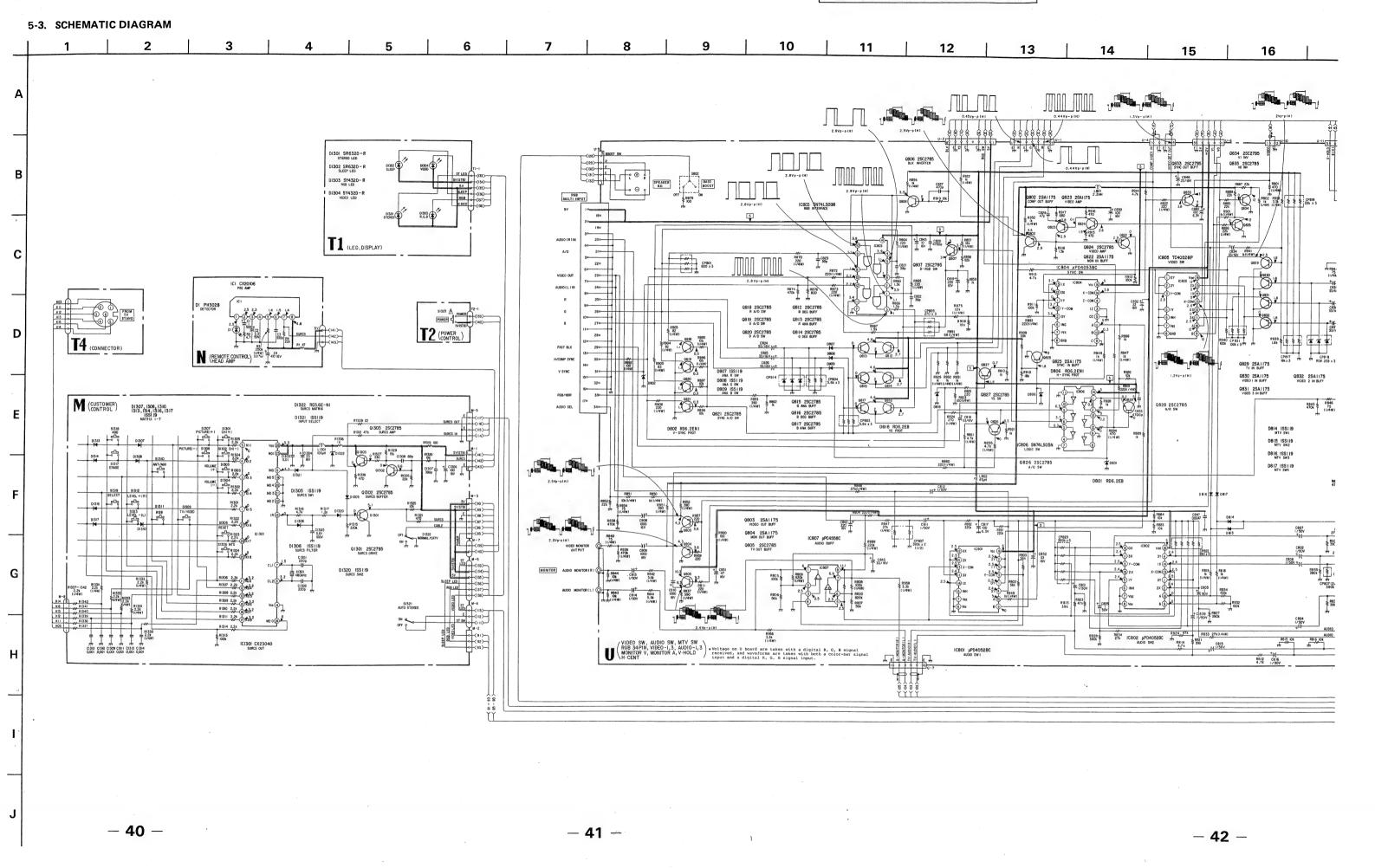






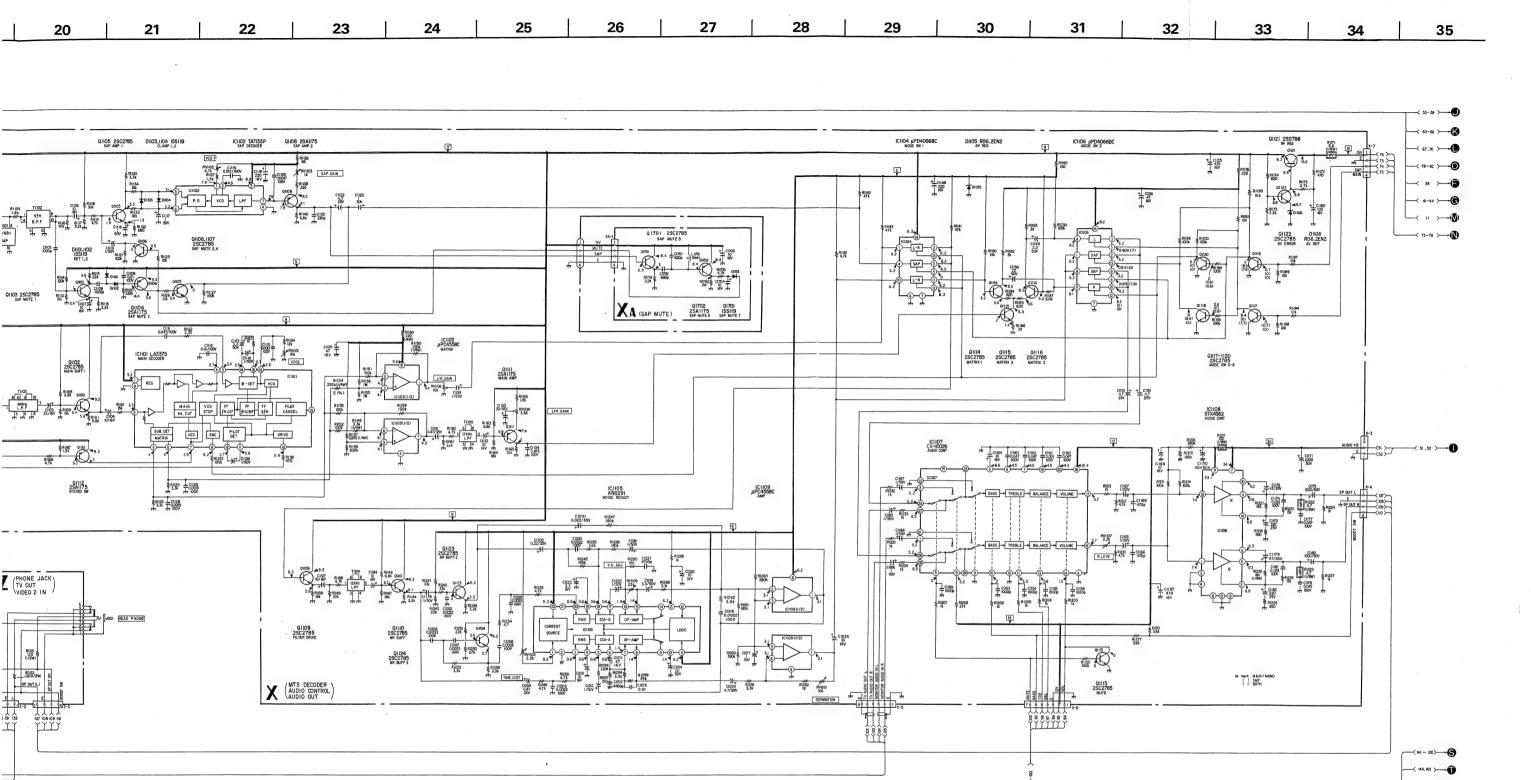


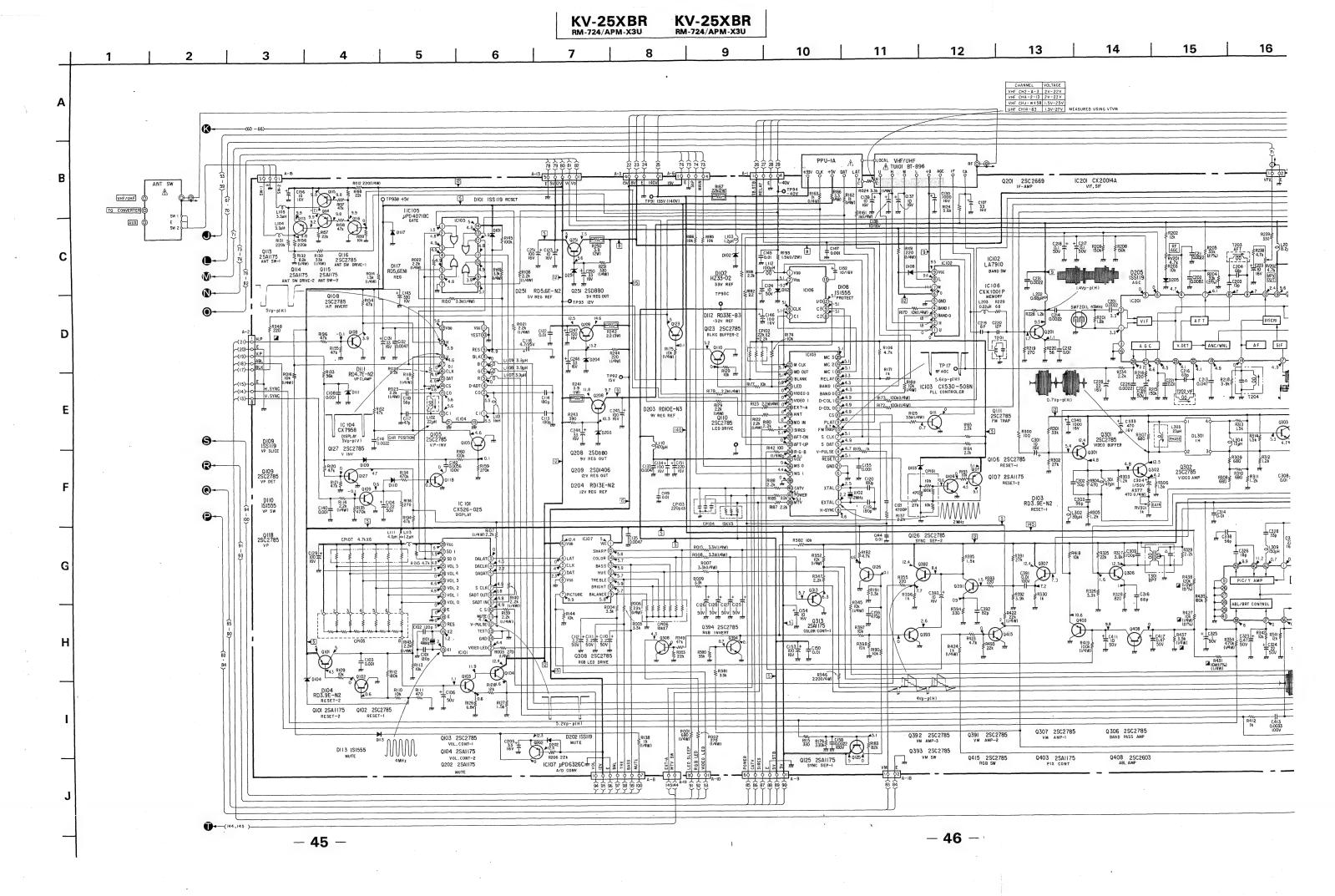
KV-25XBR RM-724/APM-X3U KV-25XBR RM-724/APM-X3U

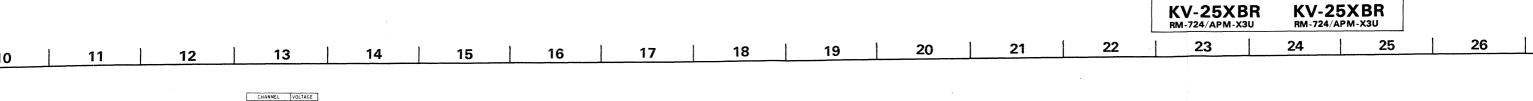


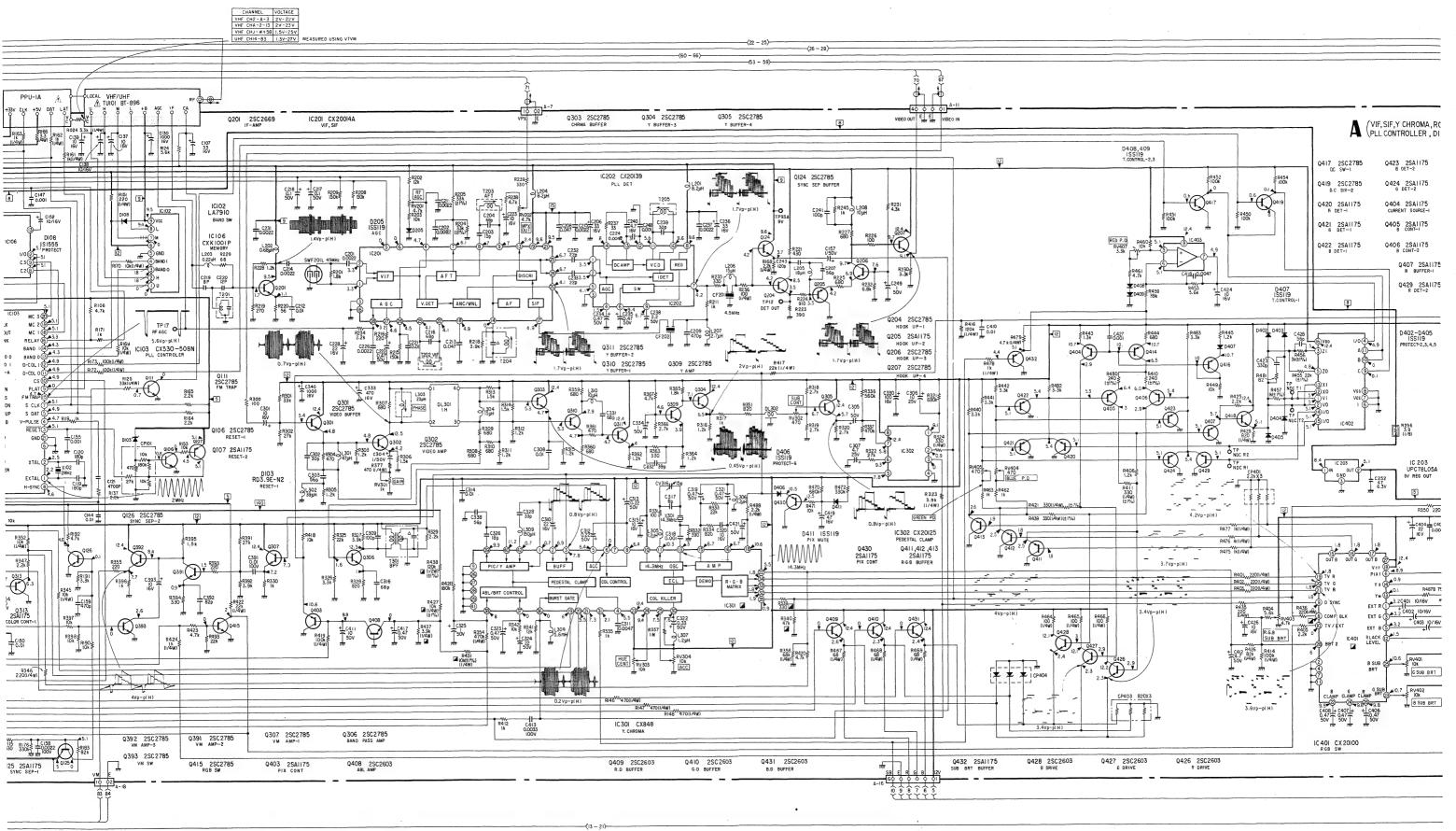
3**R** 3U

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 QIIOI 2SC2785 Q1105 25C2785 D1103,1104 ISS119 SAP AMP 1 CLAMP 1,2 Q806 2SC2785 BLK INVERTER 3.9 C R919 CK RV802 H-CENT 5 R875 12k (1/4W) R908 ≸ Q1102 2SC2785 MAIN BUFFI QIIII 2SAII75 MAIN AMP Q830 2SA1175 VIDEO I IN BUFF L+R.GAIN Q831 2SA1175 VIDEO 3 IN BUFF R845 R846 470k 75 (1/4W) 2828 2SC2785 N/R SW R824 ± C818 270 733/16V RIJET QUI12 5 0826 0.3 R921 Ik D814 ISS119 D815 ISS119 MTV SW2 Q1112 2SA1175 STEREO SW RII29 CII29 D816 ISS119 MTV SW3 ICI 105 AÑ6291 NOISE REDUCT IC1109 µPC4558C R860 220(1/4W) Rii28 Cii28 3.3% T 0.0015 D817 IS\$119 DB01 RD6.2EB C1202 0.22/35V RI248 IBDX W V-D.ADJ 150 4700p C811 1/50V CP807 390k x 2 Q1109 2SC2785 FILTER DRIVE (MTS DECODER AUDIO CONTROL)

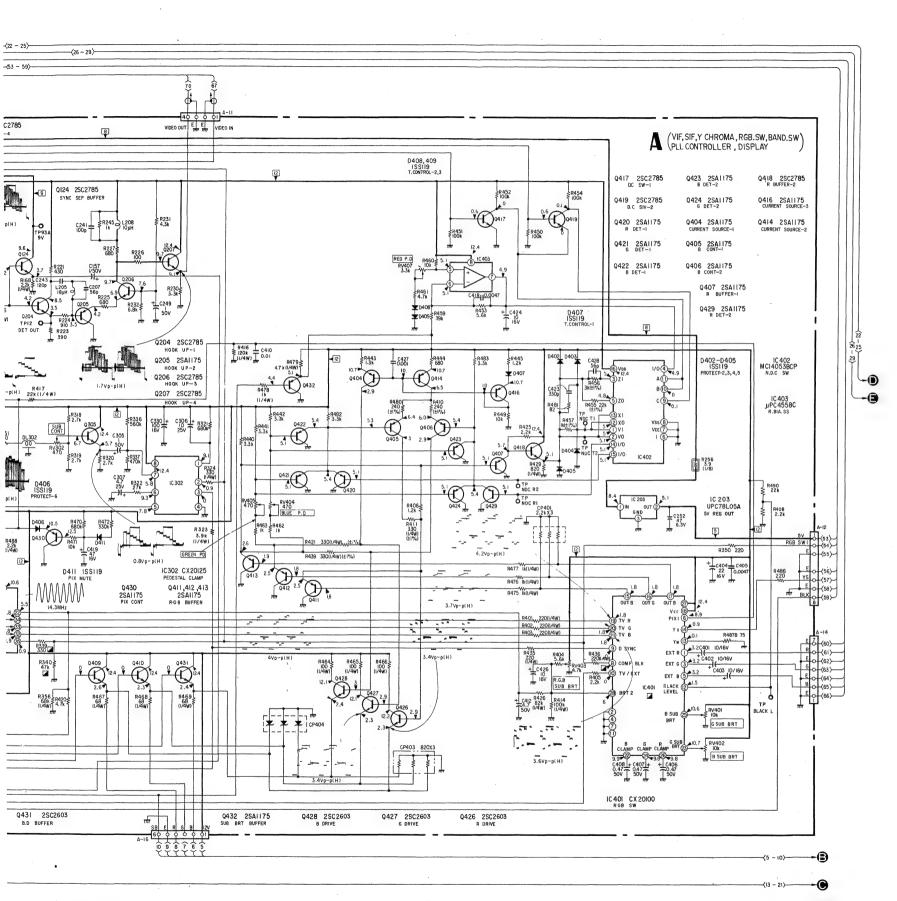








19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28



Note: The components identified by shading and mark

A are critical for safety. Replace only with part number specified.

Note:

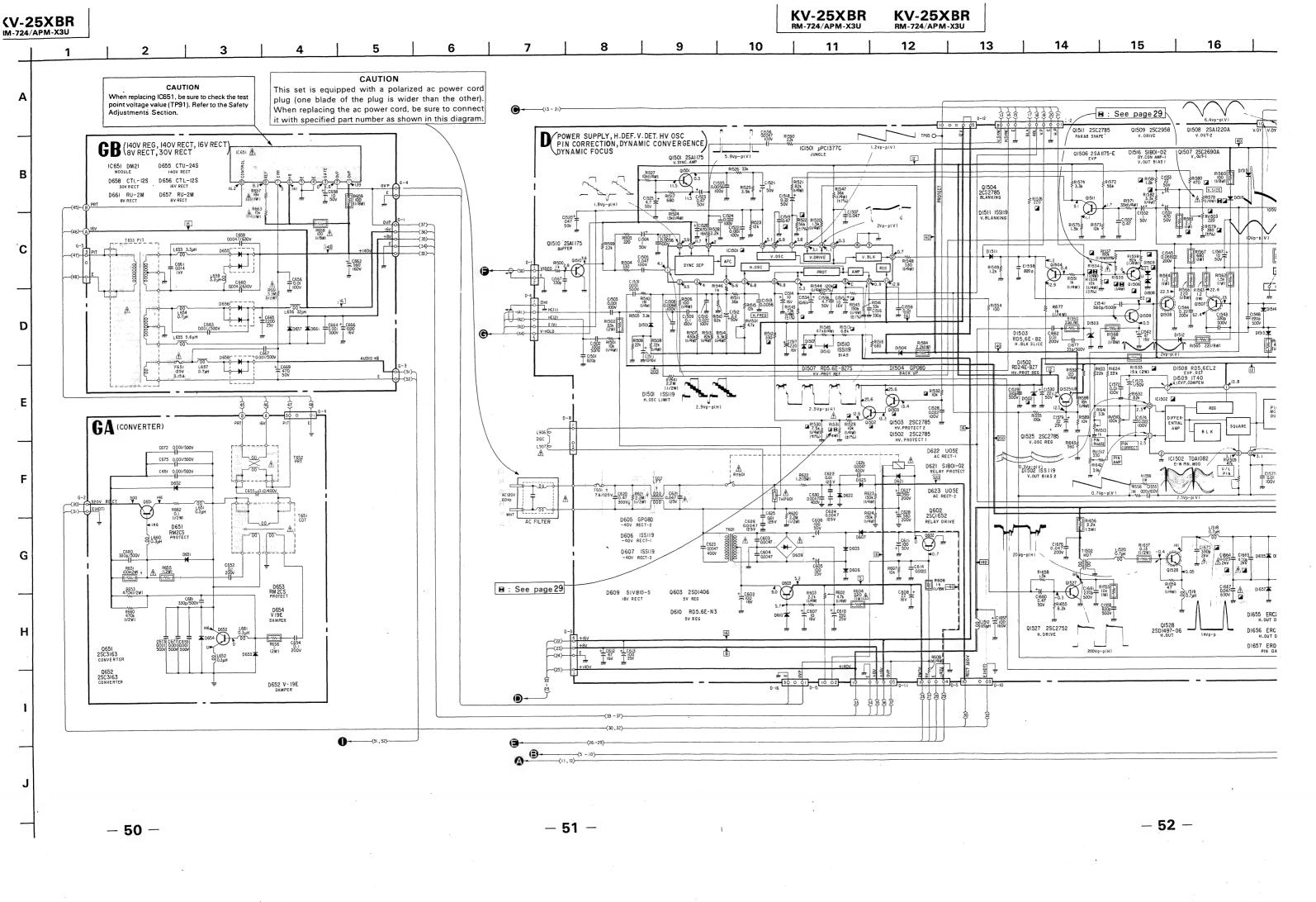
- All Capacitors are in μF unless otherwise noted, pF: μμF
 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms. 1/6W unless otherwise noted. $k\Omega = 1000\Omega, \, M\Omega = 1000k\Omega$
- Standard for the M Board is 1/4W:
- : nonflamable resistor.
- △ : internal component.
- ____ : panel designation.
- All variable and adjustable resistors have characteristics curve B, unless otherwise noted.
- The components indentified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by mark the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.

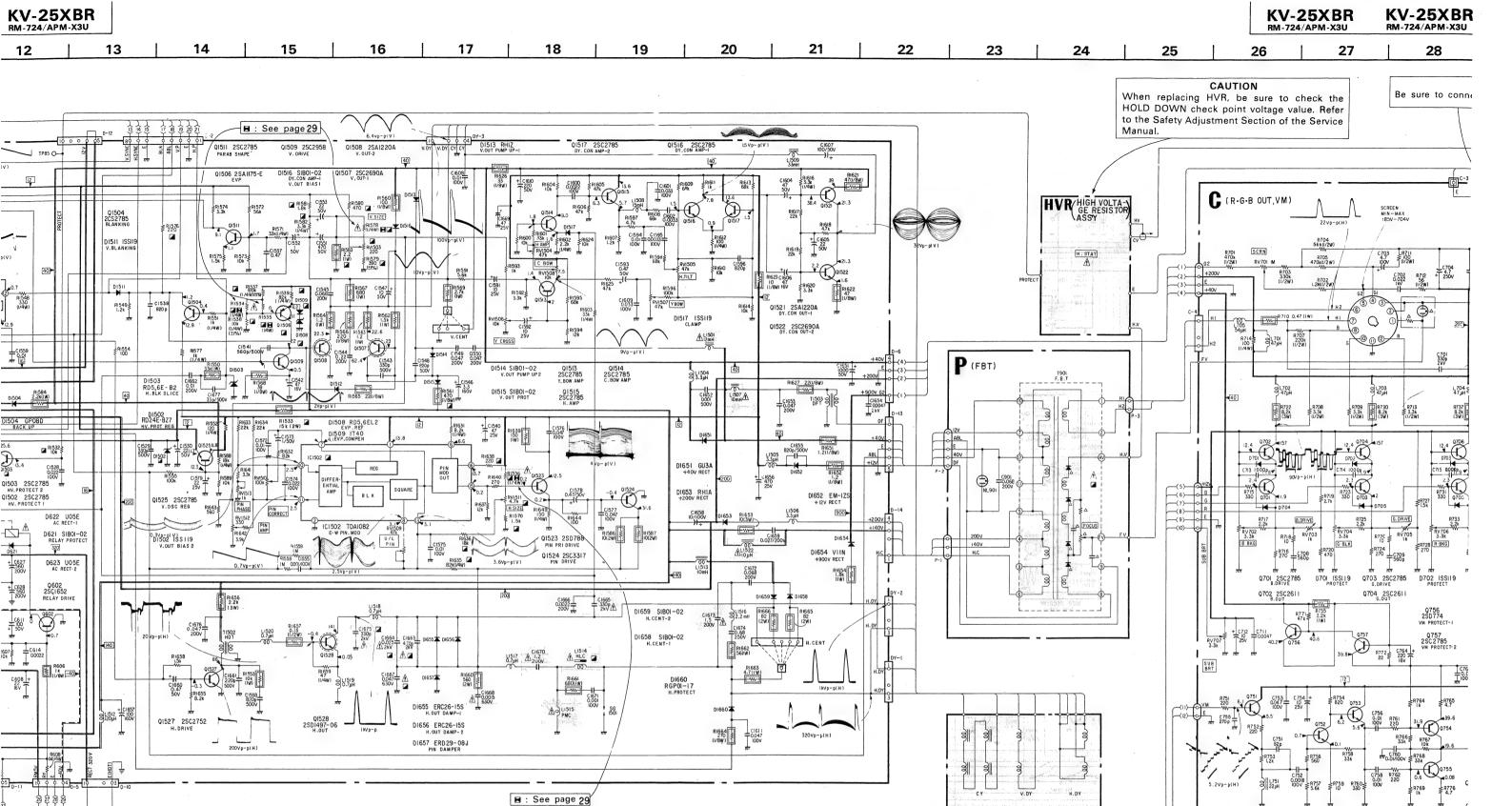
(Refer to R1531, R1534, R1535, R1556, R1578 adjustment on page 29.)

When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (🗖)	Adjustment (🙀)
D1502, D1507, IC1501 Q1502, Q1503, R427 R431, R437, R438 R1512, R1519, R1529 R1530, R1531, R1532 R1533, R1543, R1544 R1545	R1531
D1508, D1509, IC301 IC401, Q1506, R339 R340, R348, R436 R1534, R1535, R1537 R1538, R1539, R1561 R1576	R1534, R1535
C1663, C1664, C1667 C1675, IC1502, L1514 R1556, R1570, R1635 R1636, R1638, RV1511 FBT, DY	R1556
C1519, C1663, C1664 C1667, C1675, IC1501 L1514, R1522, R1578 R1579, R1580, R1581 R1582, R1583, RV1503 FBT. DY	R1578

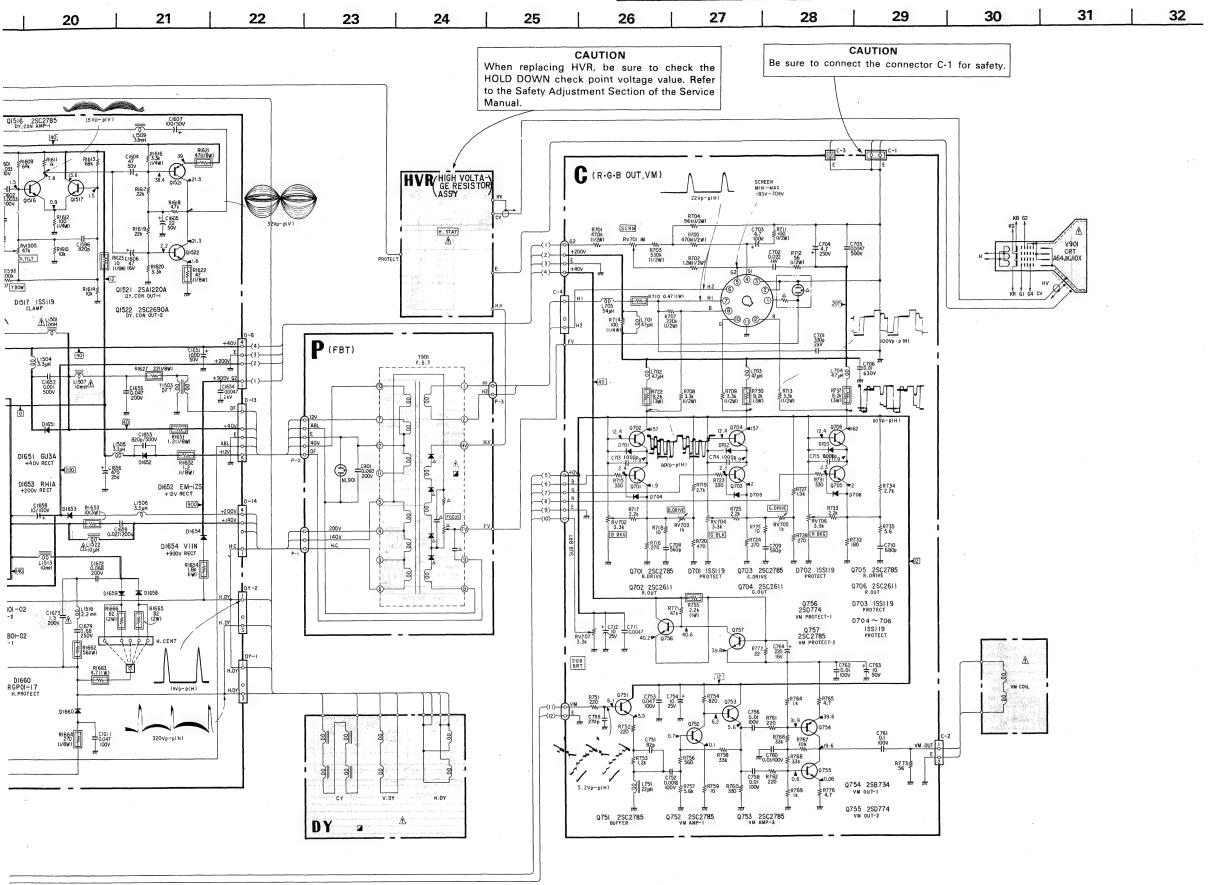
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a $10M\Omega$ digital multimeter.
- Readings are taken with a color-bar signal input.
- : B + bus.
- --- : B bus.
- Voltage variations may be noted due to normal production tolerances.
- adjustment for repair.

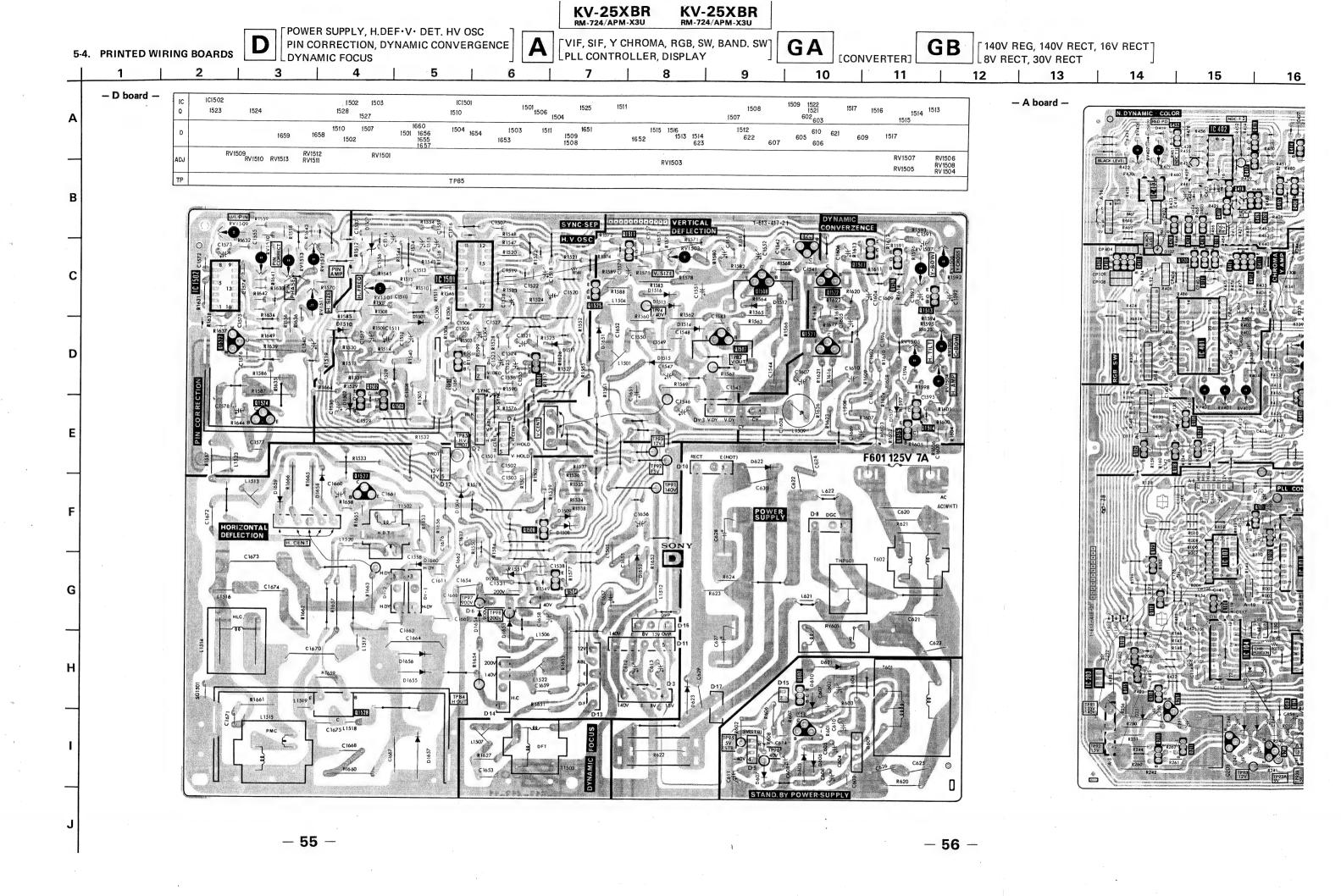


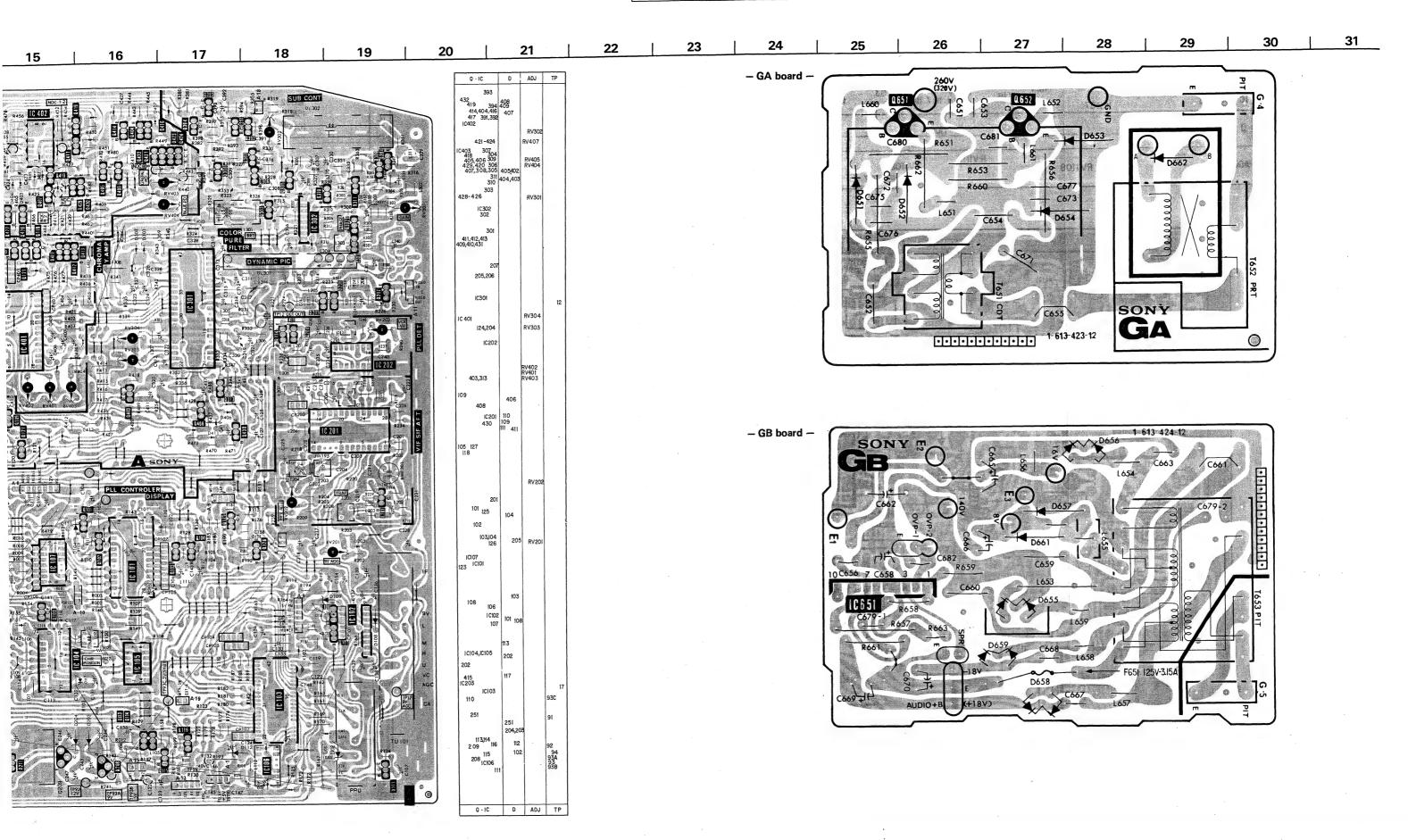


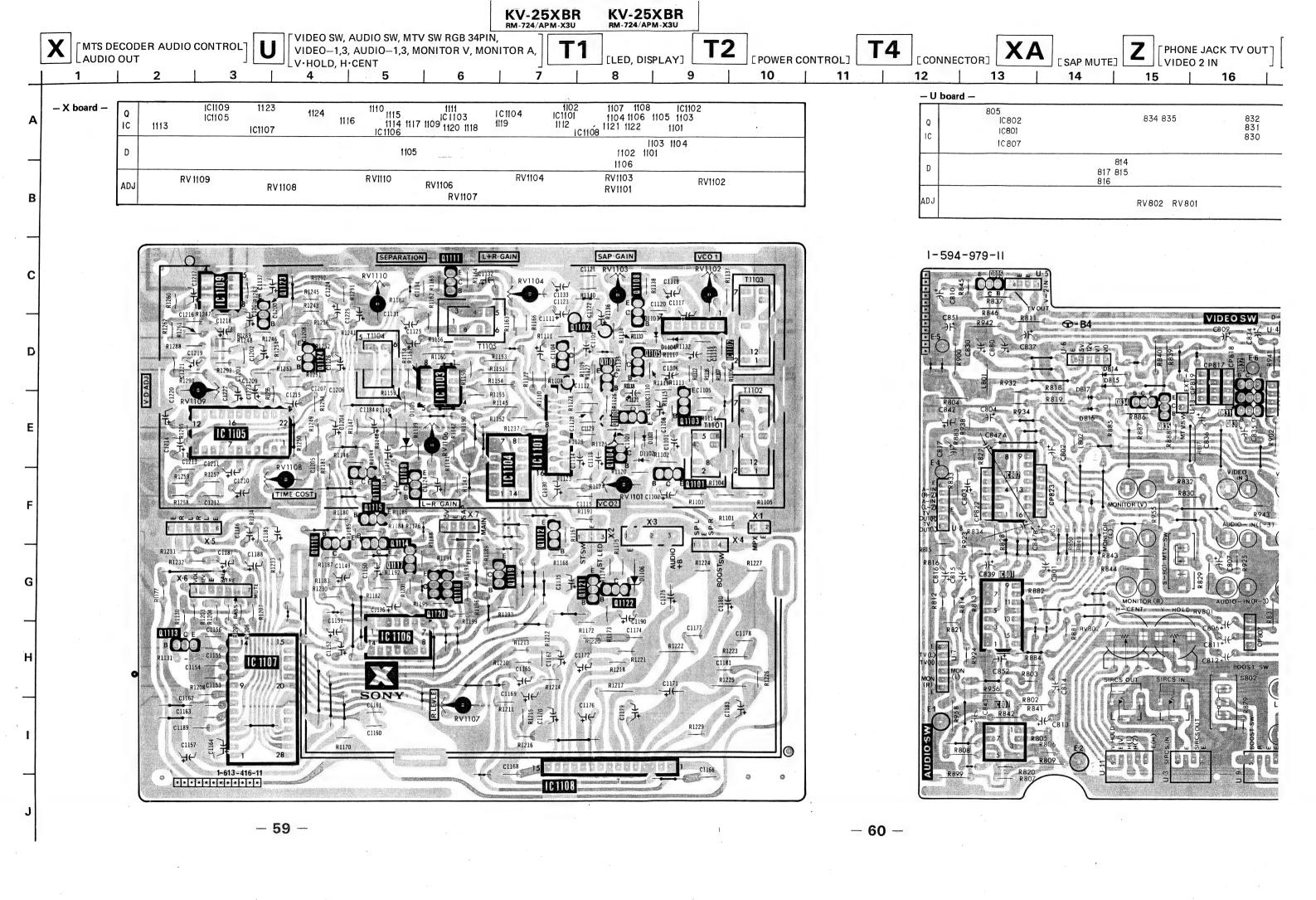
Q751 2SC2785 BUFFER Q752 2SC2785

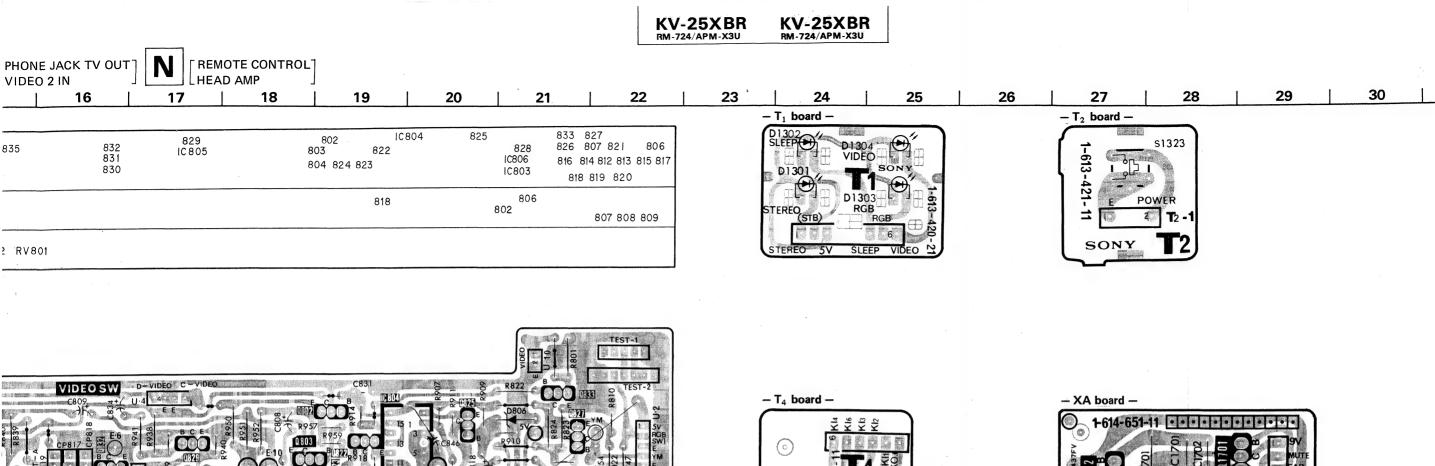
Q753 2SC2785

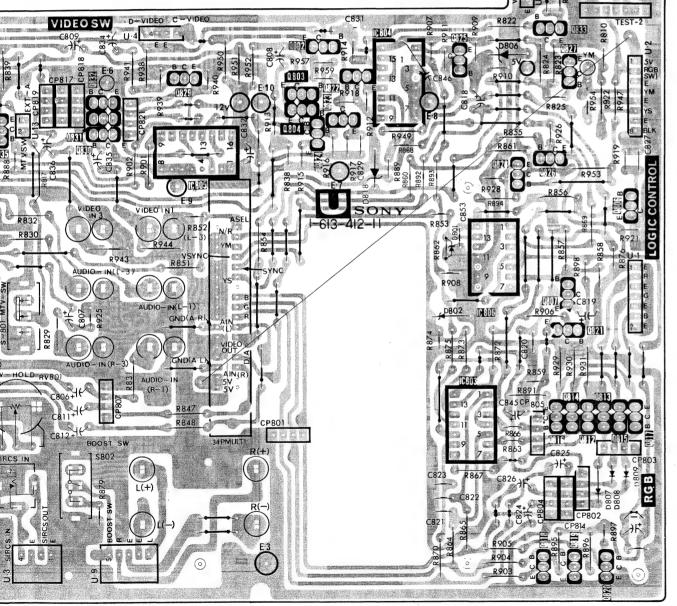


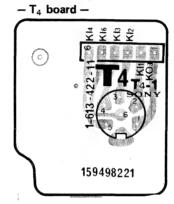


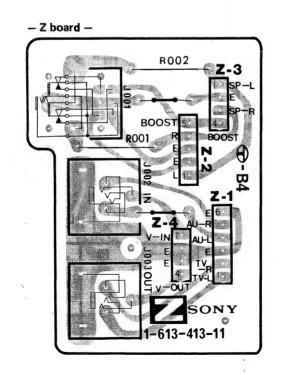


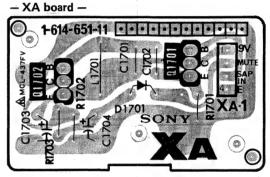


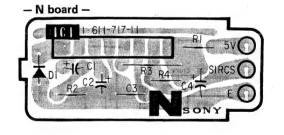




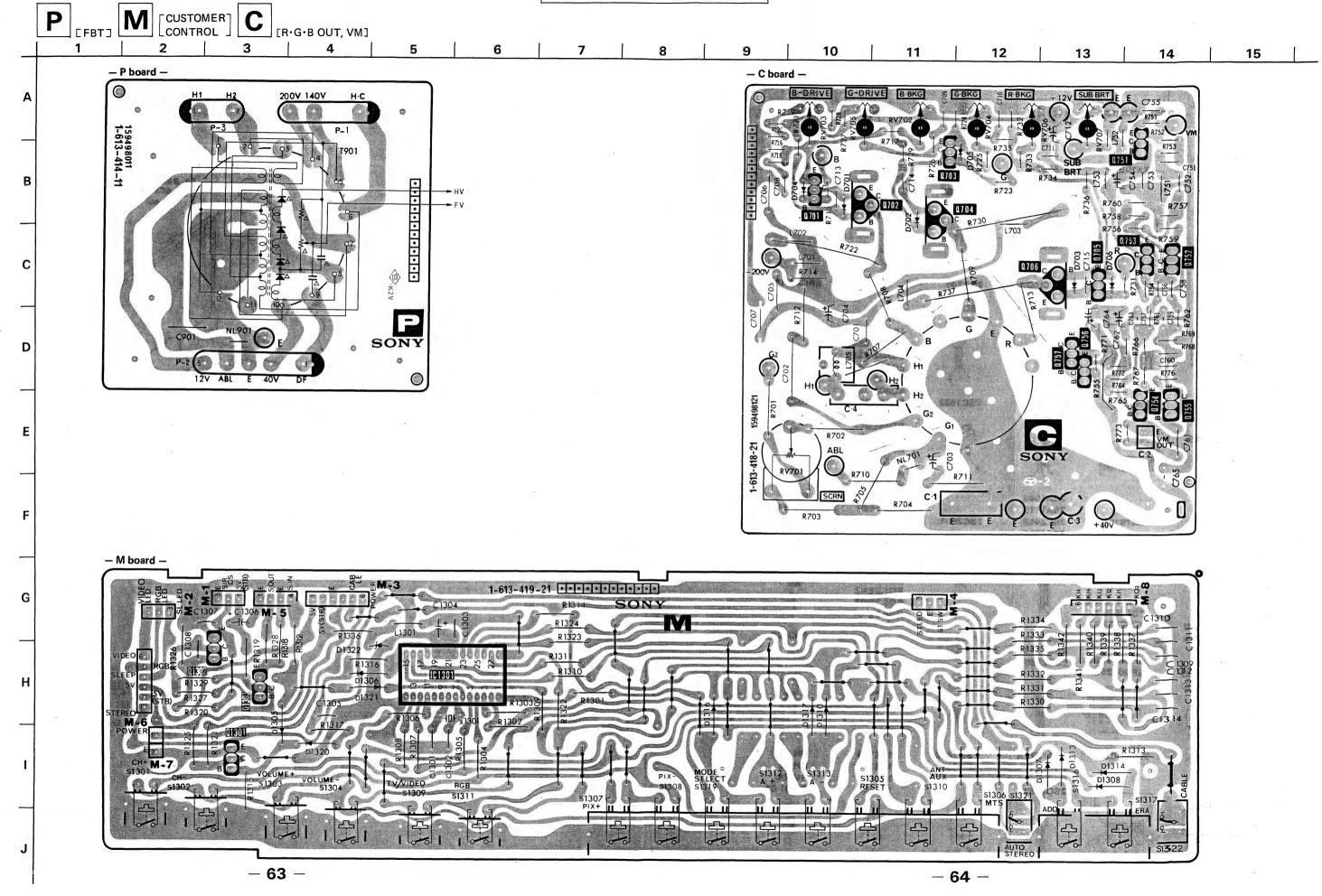








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5-5. SEMICONDUCTORS

AN6291 CX530-507N CX-848	CX-7958 μPC1377C	TA7133P	2SA733 2SC1363	2SD1497	CTL-12S CTU-24S	S1VB10-S S1VB20
42.40.305.30 225.22 	22 12 12 12 12 12 12 12 12 12 12 12 12 1	1 2 3 4 5 6 7	E C B	B C E	anode cathode	
AN78L05 NJM78L05A	CXK1001P	TL4558P-B μPC4558C	2SB734 2SC2958	10E2 EQA02-12B5 EQA02-32A ES1F	EM-1ZS RM2CS	SR632D
OUT COMMON	1413121110 9 8	8 7 6 5 1 7 1 1 1 1 2 3 4 (Top view)	2SC2959 2SD774	GP08D HZT33-02 RGP01-17	cathode	anode cathode
CX10026	DM-21	μ PC78L05A	2SB740 2SC1475 2SD788	anode	ERC26-15S	SY432D
28 15 15 14 (Top view)		OUT CHO W	2SD789	1S1555 EQA02-05A5 EQA02-05F5 EQA02-06A5 EQA02-06D5	cathode	anode cathode
CX20014A CX20100	LA3375	2SA1026	2SC1652	EQA02-10B5 RD10EN3 RD13EN2	ERD29-08J	V19E
CX20100 CX20125 CX526-025	AMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAMAM		BCE	RD24EBZ7 RD33EB2 RD33EB3 RD3.6E-N1 RD3.6E-N2 RD3.9EN2	cathode	cathode
(Top view) CX20106	LA7910	2SA1048 2SA1115 2SC2458 2SC2603 2SC2669	2SC2901	RD4.7EN2 RD5.6EB2 RD5.6EBZ7S RD5.6EL2 RD5.6EN1	GH3F GU-3A U05E U05G V11N	
1 2 3 4 5 6 7 8	123456789 MC14053BC		E B C	RD5.6EN2 RD5.6EN3 RD6.2EN1 RD6.2EN2 RD6.2EN3	cathode	
CX20139 SN74LS05N SN74LS09N TC4066BP TC4071BP	TC4052BP TC4053BP TDA1082 μPD4052BC μPD4053BC	2SA1175 2SC2785 2SC2785F	2SC3163 2SC3317	RD6.2E-B	l anode PH302B	
μΡD4066BC μΡD4071BC	μPD6326C 16151413121110 9 1 1 2 3 4 5 6 7 8 (Top view)	letter side		cathode	anode	
(Top view) CX23040	STK-4362	2SA1220A 2SC2611	2SD1406 2SD880	1SS119 1SS120	RH-1A RH-1Z	
(100 NEW)	1 2 3 / 5 / 7 5 11 13 14 15 4 6 B 10 12 (Marking side view)	2SC2690A 2SC2752 (etter side	BCE	1SS133 1SS148	RU-2M SIB01-02	

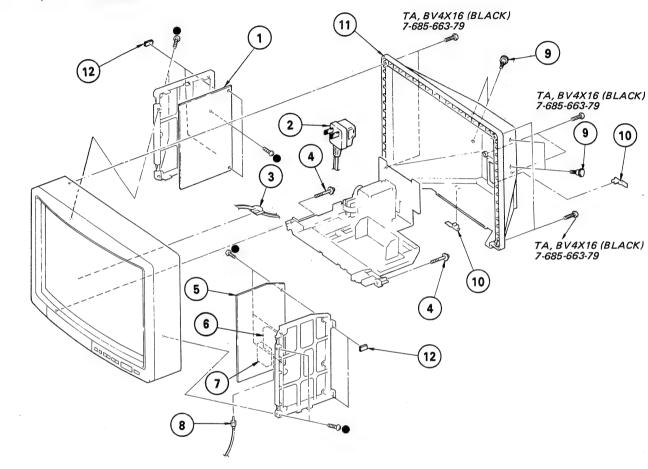
SECTION 6 EXPLODED VIEWS

- NOTE:
 Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

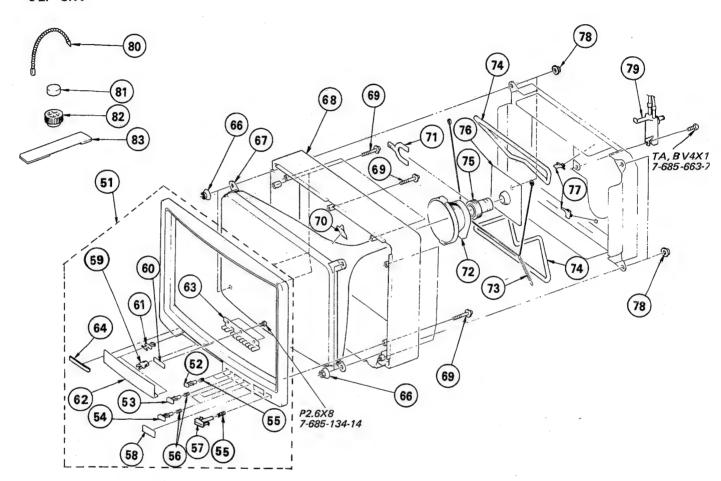
6-1. BACK COVER

• : TA, BV3X127-685-648-71



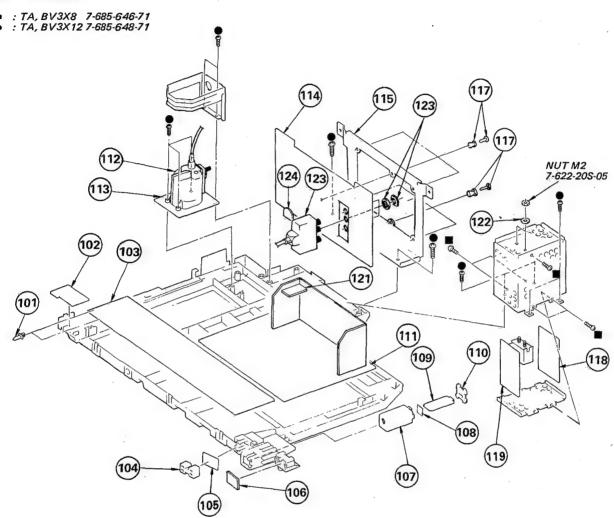
No. Part No. Description Remar	No.	Part No.	Description	Remark
1 *A-1345-483-A D BOARD, COMPLETE 2 A.1-557-761-11 CORD, POWER 3 A.*4-374-307-01 HOLDER, CORD, AC 4 4-319-520-00 SCREW, SPECIAL (+PW4X30) 5 *A-1295-916-A A BOARD, COMPLETE 6 A.1-463-470-00 TUNER, ET (BT-896)	8 9 10 11	*1-557-056-00 X-4374-104-1 4-329-127-00	SCREW (B) ASSY, ORNAMENTAL CLAMP, CORD COVER ASSY, BACK	9,10





No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51 52 53 54 55 56 57 58 59 60 61 62 63 64 66	X-4374-304-1 X-4374-101-1 X-4374-102-1 X-4374-103-1 3-571-847-00 3-561-888-02 X-4374-301-1 *4-374-135-21 4-352-034-00 4-374-115-01 3-662-365-00 4-374-127-21 4-374-302-01 *4-374-302-01 4-330-305-00 \$\$\lefta\$.8-736-651-05	BEZEL ASSY BUTTON (A) ASSY BUTTON (B) ASSY BUTTON (C) ASSY SPRING, COMPRESSION SPRING, COMPRESSION BUTTON ASSY, POWER PLATE, TRANSPARENT CATCHER, PUSH EMBLEM, SONY SHAFT (S), DOOR DOOR, CONTROL BUTTON, MULTI PLATE, ORNAMENTAL NUT, SPECIAL CRT (A64JKJ10X)	52-64	69 70 71 72 73 74 75 76 77 78	4-319-520-00 3-703-003-00 1-452-146-21 1-451-255-11 4-303-774-XX 1-452-315-21 *A-1330-557-A *4-371-629-01 4-306-034-00 1-230-212-11 4-308-870-00 1-452-032-00 1-452-094-00	SCREW, SPECIAL (+PW4X30) SPACER, DY MAGNET, BMC DEFLECTION YOKE (SY=164)	70 m
00		CABINET ASSY (FOR BEIGE)					

6-3. CHASSIS



	D- 1 N-	Ddiskdom	Dona de 1	1 41.	5 . N.	D	
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101 102 103 104 105 106 107 108 109 110	*4-333-624-00 *1-611-717-11 *4-342-118-00	Z BOARD M BOARD CAP, LED T1 BOARD T2 BOARD CASE, SHIELD (MAIN), R FILM (N), SPECIAL		113 114 115 117 118 119 121 122	*4-374-310-01 4-374-303-01 *1-613-424-11 *1-613-423-11 *1-614-651-11 3-845-490-00	P BOARD U BOARD, COMPLETE HOLDER, TERMINAL BOARD RIVET, NYLON GB BOARD GA BOARD XA BOARD WASHER SELECTOR, ANTENNA	

SECTION 7 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

- Items marked "** " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS • MF : ער, PF : אוער

RESISTORS

- All resistors are in ohms
 F: nonflammable

COILS

• MMH : mH, UH : بH

When indicating parts by reference number, please include the board name.

Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
*1-613-420-21	T1 BOARD				C681	1-102-030-00	CERAMIC	330PF	10%	500V
+4 245 701 00						DIO	<u>DE</u>		•	
*4-345-701-00			*		D651 D652	8-719-301-18 8-719-901-93	DIODE RM2CS DIODE V19E			
_	DE COE COESTO				D653 D654	8-719-301-33 8-719-301-18 8-719-901-93	DIODE RM2CS			
D1302 8-719-106-34					0054					
D1303 8-719-114-34 D1304 8-719-114-34					G4	*1-508-765-00	NECTOR			
*****	******	*****	*****	******	04		, ,			
*1-613-421-11					1.651	<u>COI</u>	_	0.5		
	******				L651 L652	1-425-612-00 1-425-612-00	COIL, ARE-CO	RE		
	<u>(TCH</u>	Standard Co Act 49 (Co.)	a. a. or	an Marakaka sat	L660 L661	1-425-612-00 1-425-612-00				
\$1323 A. 1-554-303-11	and the same state of the same state of the same					TRA	NSISTOR			
*****		******		******	Q651		TRANSISTOR 2			
*1-613-414-11	******				Q652		TRANSISTOR 2	202102		
CA	PACITOR				b.CE1		ISTOR	ം ദ്രമ്ഗം Ea/ം	de (d.)	- New York Alexander
C901 1-108-431-00	MYLAR	0.068MF	10%	200V	R653	1-214-597-61	SOLID	470K 5%	2W 1/2W	·E
NE	ON LAMP				R656	1-206-439-00	METAL OXIDE	1 5% 1 5%	2W 2W	F
NL901 1-519-237-11	LAMP, NEON	•			R660	1-202-637-00		470K 5%	1/2W	
******	******	******	*****	*****	R662	1-207-451-00		0.1 10%	1/2W	
*1-613-422-11					****		NSFORMER	and the second s	de tions de come	
	******					<u></u> ∆1-421-695-11 <u></u> ∆1-421-710-11		10000		2012-10-11 315-625
	SOCKET, DIN				*****	*****	*****	*****	*****	*****
******	*****	*******	*****	******		*1-613-424-11				
*1-613-423-11	GA BOARD ******				1		******	Initial results of it	a—auditarii tiri	navatori Minkupaniai II.
4-374-104-01					F 651Z	1 .1-532-595-11 1 -533-146-00		JBE 125V 3,1	AC	Professional Control
4-374-108-01	SPACER, MICA	1				CAP	<u>ACITOR</u>			
CA	PACITOR				C656	1-106-196-00		0.01MF	10%	100V
C651 1-102-038-00 C652 1-136-103-00		0.001MF 0.1MF	5%	500V 200V	C658 C659		ELECT FILM	10MF 0.0047MF	20% 10%	50V 630V
C653 1-102-038-00 C654 1-136-103-00	FILM	0.001MF 0.1MF	5%	500V 200V	C660 C661	1-129-710-00 1-136-240-11	FILM FILM	0.0047MF 0.014MF	10% 5%	63 OV 1K V
C655 1-136-131-00	. _" FİLM	0.12MF	5%	400V	C662	1-125-294-00	ELECT(BLOCK)	560MF	20%	160V
C672 1-102-038-00 C673 1-102-038-00		0.001MF 0.001MF		500V 500V	C663 C664	1-102-038-00 1-102-038-00	CERAMIC CERAMIC	0.001MF 0.001MF		500V 500V
C675 1-102-038-00 C677 1-102-038-00	CERAMIC	0.001MF 0.001MF		500V 500V	C665 C666	1-123-338-00 1-123-324-00	ELECT ELECT	2200MF 1000MF	20% 20%	25V 16V
C680 1-102-030-00		330PF	10%	500V	C 667	1-102-038-00	CERAMIC	0.001MF		50 OV







,	Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
	C669	1-123-363-00	ELECT	470MF	20%	50V		RES	ISTOR			
		. <u>DIO</u>	DE				R1 R2	1-247-799-00 1-247-775-00		47 5% 4.7 5%	1/6W 1/6W	
		8-719-300-09 *4-347-706-00	DIODE CTU-24 HEAT SINK (T DIODE CTL-12	R), D655			R3 R4	1-214-784-00 1-247-863-00	METAL	200K 1% 22K 5%	1/4W 1/6W	
	D656 D657	8-719-301-09 8-719-302-00	DIODE RU-2M				*****	*****	*****	*****	******	*****
	D658	8-719-301-09 8-719-302-00	DIODE CTL-12 DIODE RU-2M	45				*A-1295-916-A	A BOARD, COM			
	DOOL		NECTOR					A. 1-463-471-32	SVNTHES 17 FR	INIT ÉRENI	FNCV	
	0.5	*1-508-765-00					4	*1-551-382-00		2011	FMA (Andress)	Neb Grigo word it bellegg
	G5							CON	NECTOR			
			<u>ULE</u>	e. A.			A1	*1-564-440-11	PLUG, CONNEC	TOR (2.5MM)	4P	
	IC 651 <u>A</u>	1-235-445-11	MODULE, POWE	R (DM-21)			A2 A3	*1-564-444-11 *1-508-766-00	4P PLUG (M)	TOR (2.5MM)	8P	•
		<u>coi</u>	<u>L</u>				A6 A7	*1-564-440-11 *1-564-353-00	PLUG, CONNEC			
	L653	1-407-780-00 1-407-365-00	COIL, SPOOK	CHOKE			A8	*1-564-443-11	PLUG, CONNEC			
	L654 L655	1-407-690-00	MICRO INDUCT				A9	*1-564-442-11	PLUG, CONNEC	TOR (2.5MM)	6P	
	L656 L657	1-459-406-00 1-407-365-00	COIL (WITH C	ORE)			A10 A11	*1-564-354-21 *1-564-440-11	PLUG, CONNEC			
	L659	1-407-780-00		CHUKE			A12	*1-564-444-11	PLUG, CONNEC	TOR (2.5MM)	8P	
	F033			OTIONE			A13 A14	*1-564-441-11 *1-564-443-11	PLUG, CONNEC			
			ISTOR	turna valkila kaitaka na 504846a	frontration MS No dou.		A15	*1-564-354-00	PLUG, CONNEC	TOR (2.5MM)	3P	
	R657 ,	<u>1</u> 1-215-969-51 1-211-427-11	METAL CARBON	100 5%	1/8M	F	A16 A18	*1-564-442-11 *1-564-353-00	PLUG, CONNECT			
The State of the S	R659	1-247-807-00 1-202-657-15	CARBON SOLID	100 5% 3.3M 5%	1/8W 1/2W	F	A19	*1-564-353-00	PLUG CONNEC	TOR (2.5MM)	2P	
	R663	1-215-968-21		15K	iw		1123			701 (20 SHI)	41	
		TRA	NSF ORMER						ACITOR			
1.000	T653	<u>*</u> 1-421-703-12	PIT	TCP7674 SAU-	7114 1177	as sutgji	C101 C102	1-101-888-00 1-101-888-00		68PF 68PF	5% 5%	50V 50V
a restum		****					C103 C104	1-102-074-00 1-123-447-00	CERAMIC ELECT	0.001MF 0.22MF	10% 20%	50V 50V
							C106	1-123-380-00	ELECT	1MF	20%	50V
		*1-611-717-11	*****		*		C107	1-123-318-00		33MF	20%	16V
		CAP	ACITOR				C108 C110	1-101-001-00 1-123-381-00	CERAMIC ELECT	0.001MF 2.2MF	20%	50V 50V
	C1	1-123-611-00		1MF	20%	50V	C111 C112	1-123-381-00 1-123-381-00	ELECT	2. 2MF 2. 2MF	20% 20%	50V 50V
	C2	1-123-613-00	ELECT	3.3MF 330PF	20% 5%	50V 50V	C113	1-102-976-00	CERAM IC	180PF	5%	50V
	C3 C4	1-102-820-00 1-123-821-00		47MF	20%	167	C114	1-102-976-00	CERAMIC	180PF	5%	50V
		DIO	DE				C116 C117	1-123-369-00 1-101-880-00	ELECT CERAMIC	4.7MF 47PF	20% 5%	25V 50V
	D1		DIODE PH302B				C118	1-101-884-00	CERAM IC	56PF	5%	50V
			emore terrifie				C119 C120	1-102-976-00 1-102-976-00		180PF 180PF	5% 5%	50V 50V
	TO 1	<u>IC</u>	TC CV20106				C121	1-101-003-00	CERAMIC	0.0047MF	0 /0	50V
	IC1	8-752-010-60	IC CYSOTOR				C122 C123	1-101-004-00 1-123-356-00		0.01MF 10MF	20%	50V 16V



								•			
Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C124 C125 C126 C127 C128	1-123-356-00 1-123-380-00 1-123-380-00 1-123-380-00 1-123-380-00	ELECT ELECT ELECT ELECT ELECT	10MF 1MF 1MF 1MF 1MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V	C221 C222 C223 C226 C228	1-161-013-00 1-123-379-00 1-123-356-00 1-102-121-00 1-123-330-00	CERAMIC ELECT ELECT CERAMIC ELECT	0.01MF 0.47MF 10MF 0.0022MF 22MF	10% 20% 20% 10% 20%	25V 50V 16V 50V 16V
C129 C130 C131 C132 C133	1-119-129-00 1-123-324-00 1-123-318-00 1-101-003-00 1-101-003-00	ELECT ELECT ELECT CERAMIC CERAMIC	100MF 1000MF 33MF 0.0047MF 0.0047MF	20% 20%	16V 16V 16V 50V	C231 C232 C233 C234 C235	1-102-121-00 1-102-959-00 1-102-959-00 1-123-379-00 1-123-379-00	CERAMIC CERAMIC CERAMIC ELECT ELECT	0.0022MF 22PF 22PF 0.47MF 0.47MF	10% 5% 5% 20% 20%	50V 50V 50V 50V 50V
C134 C135 C137 C138 C139	1-123-333-00 1-101-003-00 1-123-356-00 1-123-356-00 1-123-356-00	ELECT CERAMIC ELECT ELECT ELECT	100MF 0.0047MF 10MF 10MF 10MF	20% 20% 20% 20%	16V 50V 16V 16V 16V	C236 C237 C238 C239 C240	1-123-318-00 1-102-121-00 1-123-381-00 1-102-752-61 1-121-257-00	ELECT CERAMIC ELECT CERAMIC ELECT	33MF 0.0022MF 2.2MF 30PF 4.7MF	20% 10% 20% 5%	16V 50V 50V 50V 16V
C140 C141 C142 C143 C144	1-101-001-00 1-101-002-00 1-106-190-00 1-123-309-00 1-101-004-00	CERAMIC MYLAR ELECT	0.001MF 0.0022MF 0.0056MF 330MF 0.01MF	10% 20%	50V 50V 100V 10V 50V	C241 C243 C244 C245 C246	1-102-973-00 1-102-816-00 1-123-318-00 1-123-333-00 1-123-318-00	CERAMIC CERAMIC ELECT ELECT ELECT	100PF 120PF 33MF 100MF 33MF	5% 5% 20% 20% 20%	50V 50V 16V 16V 16V
C145 C146 C147 C149 C150	1-101-004-00 1-101-004-00 1-101-001-00 1-101-004-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.01MF 0.01MF 0.001MF 0.01MF 0.01MF		50V 50V 50V 50V 50V	C247 C248 C249 C250 C251	1-123-333-00 1-102-074-00 1-123-380-00 1-123-318-00 1-123-333-00	ELECT CERAMIC ELECT ELECT ELECT	100MF 0.001MF 1MF 33MF 100MF	20% 10% 20% 20% 20%	16V 50V 50V 16V 16V
C151 C152 C153 C154 C155	1-119-135-00 1-123-356-00 1-123-333-00 1-123-356-00 1-161-323-00	ELECT ELECT ELECT	220MF 10MF 100MF 10MF 0.001MF	20% 20% 20% 10%	16V 16V 16V 16V 50V	C252 C301 C302 C303 C304	1-123-306-00 1-123-356-00 1-102-962-00 1-101-884-00 1-123-380-00	ELECT ELECT CERAMIC CERAMIC ELECT	47MF 10MF 30PF 56PF 1MF	20% 20% 5% 5% 20%	6.3V 16V 50V 50V 50V
C156 C157 C158 C159 C201	1-123-356-00 1-123-380-00 1-106-180-00 1-102-824-00 1-102-121-00	ELECT ELECT MYLAR CERAMIC CERAMIC	10MF 1MF 0.0022MF 470PF 0.0022MF	20% 20% 10% 5% 10%	16V 50V 100V 50V 50V	C305 C306 C307 C308 C309	1-123-380-00 1-123-356-00 1-123-369-00 1-102-129-00 1-102-973-00	ELECT ELECT ELECT CERAM IC CERAM IC	1MF 10MF 4. 7MF 0. 01MF 100PF	20% 20% 20% 10% 5%	50V 25V 25V 50V 50V
C202 C203 C204 C205 C206	1-102-128-00 1-102-851-00 1-102-525-00 1-123-318-00 1-123-318-00	CERAMIC CERAMIC ELECT	0.0082MF 15PF 68PF 33MF 33MF	10% 5% 5% 20% 20%	50V 50V 50V 16V 16V	C310 C311 C312 C313 C314	1-123-330-00 1-161-047-00 1-123-447-00 1-123-447-00 1-101-004-00	ELECT CERAM IC ELECT ELECT CERAM IG	22MF 0.0047MF 0.22MF 0.22MF 0.01MF	20% 10% 20% 20%	16V 50V 50V 50V 50V
C207 C208 C209 C211 C212	1-101-884-00 1-161-059-00 1-102-824-00 1-102-121-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	56PF 0.047MF 470PF 0.0022MF 0.01MF	5% 10% 5% 10%	50V 25V 50V 50V 50V	C315 C316 C317 C318 C319	1-123-356-00 1-101-888-00 1-102-865-00 1-102-074-00 1-123-379-00	ELECT CERAM IC CERAM IC CERAM IC ELECT	10MF 68PF 8PF 0.001MF 0.47MF	20% 5% 0.5PF 10% 20%	16V 50V 50V 50V 50V
C213 C214 C215 C216 C217	1-161-059-00 1-102-121-00 1-102-121-00 1-102-525-00 1-123-586-00	CERAMIC CERAMIC CERAMIC CERAMIC ELECT	0.047MF 0.0022MF 0.0022MF 68PF 0.1MF	10% 10% 10% 5% 20%	25V 50V 50V 50V 50V	C320 C321 C322 C323 C324	1-121-806-00 1-123-379-00 1-123-286-00 1-123-379-00 1-123-357-00	ELECT ELECT ELECT ELECT ELECT	10MF 0. 47MF 0. 33MF 0. 47MF 22MF	20% 20% 20% 20%	16V 50V 50V 50V 50V
C218 C219 C220	1-123-586-00 1-102-634-11 1-102-637-00	CERAMIC	0.1MF 8PF 12PF	20% 0.5PF 5%	50V 50V 50V	C325 C326 C328		ELECT CERAMIC CERAMIC	1MF 18PF 33PF	20% 5% 5%	50V 50V 50V



Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description		Remark
C330 1-123-333-00 C331 1-101-888-00 C332 1-102-965-00 C333 1-123-323-00 C334 1-123-380-00	CERAMIC	100MF 68PF 39PF 470MF 1MF	20% 5% 5% 20% 20%	16V 50V 50V 16V 50V	D205 D251 D402 D403 D404	8-719-102-71		2	
C338 1-101-884-00 C391 1-106-196-00 C392 1-102-971-00 C393 1-123-356-00 C401 1-123-356-00	CERAMIC MYLAR CERAMIC ELECT ELECT	56PF 0.01MF 82PF 10MF 10MF	5% 10% 5% 20% 20%	50V 100V 50V 16V 16V	D405 D406 D407 D408 D409	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		
C402 1-123-356-00 C403 1-123-356-00 C404 1-123-330-00 C405 1-101-003-00 C406 1-123-379-00	ELECT ELECT CERAMIC	10MF 10MF 22MF 0.0047MF 0.47MF	20% 20% 20% 20%	16V 16V 16V 50V 50V		DEL 1-415-356-11	DIODE 1SS119 AY LINE DELAY LINE, 1H		
C407 1-123-379-00 C408 1-123-379-00 C410 1-101-004-00 C411 1-123-356-00	ELECT CERAMIC	0.47MF 0.47MF 0.01MF 10MF	20% 20% 20%	50V 50V 50V 50V	DL302	1-415-388-11 <u>IC</u> 8-759-103-07	DELAY LINE, Y IC CX526-025		
C412 1-123-369-00 C413 1-106-184-00 C417 1-123-379-00	ELECT MYLAR ELECT	4.7MF 0.0033MF 0.47MF	20% 10% 20%	50V 100V 50V 50V	IC 102 IC 103 IC 104	8-759-800-65 8-759-912-82	IC LA7910 IC CX530-507N IC CX7958		
C418 1-101-003-00 C419 1-123-332-00 C421 1-123-380-00 C423 1-102-820-00	ELECT ELECT	0.0047MF 47MF 1MF 330PF	20% 20% 5%	16V 50V 50V	IC107 IC201	8-752-320-11 8-759-102-28 8-752-001-41 8-752-013-90	IC UPD6326C IC CX20014A		
C424 1-123-356-00 C426 1-123-356-00 C427 1-101-001-00 C428 1-101-884-00	ELECT ELECT CERAMIC	10MF 10MF 0.001MF 56PF	20% 20% 5%	16V 16V 50V 50V	IC 203 IC 301 IC 302	8-759-108-05 8-758-480-00 8-759-913-11	IC UPC78L05A IC CX848 IC CX20125		
FI	LTER					8-752-010-00 8-759-040-53 8-759-145-58	IC MC14053BCP		
CF201 1-409-332-00 CF202 1-527-943-00	CERAMIC TRAF FILTER, CERA	YMIC				<u>C01</u>			
TR	IMMER			,	L101 L102	1-407-717-00 1-404-538-11	MICRO INDUCTOR	1MMH	
CV316 1-141-147-XX	CAP, TRIMMER	₹			L103 L104	1-408-398-00 1-408-403-00	MICRO INDUCTOR MICRO INDUCTOR	3. 3UH	
DI	ODE				L105	1-408-403-00	MICRO INDUCTOR	3. 3UH	
D102 8-759-300-42 D103 8-719-102-60 D104 8-719-102-60	DIODE 1SS119 IC HZT33-02 DIODE RD3.9E DIODE RD3.9E DIODE 1SS119	I-N2 I-N2			L107 L108 L109 L110 L111	1-410-016-11 1-410-016-11 1-408-462-11	MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR	3. 9UH 3. 9UH 470UH	
D109 8-719-911-19 D110 8-719-911-19 D111 8-719-102-65 D112 8-719-101-04 D113 8-719-911-19	DIODE RD4.7E	9 E-N2 -B2			L112 L201 L202 L203 L204	1-408-408-00 1-408-709-00 1-410-073-11	MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR	8. 2UH 0. 68UH 0. 22UH	
D202 8-719-911-19 D203 8-719-102-91	DIODE RD5.6E DIODE 1SS119 DIODE RD10E- DIODE RD13E-) -N3			L205 L206 L207 L208	1-408-411-00 1-408-402-00	MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR	15UH 2. 7UH	•



Ref.No. Part No.	Description	Remark	Ref.No.	Part No.	Description	<u>1</u>		Remark
L302 1-408-416-00 L303 1-404-540-11 L304 1-408-411-00	MICRO INDUCTOR 47UH MICRO INDUCTOR 39UH COIL MICRO INDUCTOR 15UH MICRO INDUCTOR 1.2UH		Q309 Q310 Q311 Q313 Q391	8-729-245-83 8-729-245-83 8-729-245-83 8-729-204-83 8-729-245-83	TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458 2SA 1048GR		
L307 1-408-398-00 L308 1-408-163-00 L309 1-408-456-11	MICRO INDUCTOR 1.2UH MICRO INDUCTOR 1.2UH MICRO INDUCTOR 5.0MMH MICRO INDUCTOR 150UH MICRO INDUCTOR 10UH	,	Q392 Q393 Q394 Q403 Q404	8-729-245-83 8-729-245-83 8-729-245-83 8-729-204-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458 2SA 1048GR		
TR	ANSISTOR		Q405	8-729-204-83				
0102 8-729-245-83 0103 8-729-245-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SA1048GR		Q406 Q407 Q408 Q409	8-729-204-83 8-729-204-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR	2SA1048GR 2SC 2458		
Q105 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458		Q410 Q411 Q412 Q413	8-729-245-83 8-729-204-83 8-729-204-83 8-729-204-83	TRANSISTOR TRANSISTOR	2SA1048GR 2SA1048GR		
0108 8-729-245-83 0109 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458		Q414 Q415 Q416	8-729-204-83 8-729-245-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SC2458 2SA1048GR		
Q114 8-729-204-83 Q115 8-729-204-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SA1048GR TRANSISTOR 2SA1048GR		Q417 Q418 Q419	8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458		
Q118 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458		Q420 Q421 Q422 Q423 Q424	8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SA1048GR 2SA1048GR		
Q125 8-729-204-83 Q126 8-729-245-83			Q426 Q427 Q428	8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458		
Q201 8-729-266-93 Q202 8-729-204-83 Q204 8-729-245-83	TRANSISTOR 2SC2669 TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458		Q429 Q430	8-729-204-83 8-729-204-83	TRANSISTOR	2SA1048GR		
Q205 8-729-204-83			Q431 Q432	8-729-245-83 8-729-204-83	TRANSISTOR TRANSISTOR	2SA1048GR	,	
Q207 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 3SD880			RES	ISTOR			
0209 8-729-201-78 0251 8-729-288-02	TRANSISTOR 2SD880 TRANSISTOR 2SD1406 TRANSISTOR 2SD880 TRANSISTOR 2SC2458		R001 R002 R003 R004	1-247-127-00 1-247-117-00 1-247-117-00 1-247-843-00	CARBON CARBON CARBON CARBON	680 5 270 5 270 5 3.3K 5	% 1/4W	
Q301 8-729-245-83 Q302 8-729-245-83 Q303 8-729-245-83			R005	1-247-843-00		3.3K 5	5% 1/6W	
Q304 8-729-245-83 Q305 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458		R006 R007 R008	1-247-163-00 1-246-485-25 1-246-485-25	CARBON CARBON	3.3K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/6W	
0307 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458		R009 R010	1-247-843-00 1-246-485-25	CARBON	3.3K 5	5% 1/4W	
4000 0 725 210000			R012 R014 R015 R016	1-247-115-00 1-247-135-00 1-247-847-00 1-247-155-00	CARBON CARBON	220 5 1.5K 5 4.7K 5 10K 5	5% 1/4W	



Ref.No. Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R106 1-247-847-00 R107 1-247-139-00 R108 1-247-139-00 R109 1-247-855-00 R110 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	2.2K	5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W		R162 R163 R164 R165 R166	1-247-131-00 1-247-131-00 1-247-839-00 1-247-839-00 1-247-077-00	CARBON CARBON CARBON CARBON CARBON	1K 1K 2.2K 2.2K 3.3	5% 5% 5% 5%	1/4W 1/4W 1/6W 1/6W 1/4W	
R111 1-247-823-00 R112 1-247-885-00 R113 1-247-855-00 R114 1-247-139-00 R115 1-247-819-00	CARBON CARBON CARBON CARBON CARBON	470 180K 10K 2,2K 330	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/6W		R167 R168 R169 R170 R171	1-206-696-00 1-247-139-00 1-247-155-00 1-247-155-00 1-247-831-00	METAL OXIDE CARBON CARBON CARBON CARBON	22K 2.2K 10K 10K 1K	5% 5% 5% 5% 5%	2W 1/4W 1/4W 1/4W 1/6W	F
R118 1-247-131-00 R119 1-247-831-00 R120 1-247-871-00 R121 1-247-871-00 R122 1-247-163-00	CARBON CARBON CARBON CARBON CARBON	1K 1K 47K 47K 22K	5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/4W		R172 R173 R173 R174 R176	1-247-179-00 1-247-155-00 1-247-179-00 1-247-855-00 1-247-891-00	CARBON CARBON CARBON CARBON CARBON	100K 10K 100K 10K 330K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/6W 1/6W	
R123 1-247-139-00 R124 1-247-849-00 R125 1-247-167-00 R126 1-247-851-00 R127 1-247-835-00	CARBON CARBON CARBON CARBON CARBON	2. 2K 5. 6K 33K 6. 8K 1. 5K	5% 5% 5% 5% 5%	1/4W 1/6W 1/4W 1/6W 1/6W		R177 R178 R179 R180 R181	1-247-855-00 1-247-139-00 1-247-139-00 1-247-839-00 1-247-839-00	CARBON CARBON CARBON CARBON CARBON	10K 2.2K 2.2K 2.2K 2.2K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	
R128 1-247-857-00 R129 1-247-855-00 R130 1-247-167-00 R131 1-247-887-00 R132 1-247-153-00	CARBON CARBON CARBON	12K 10K 33K 220K 8•2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/4W		R182 R183 R185 R186 R187	1-247-839-00 1-247-877-00 1-247-855-00 1-247-855-00 1-247-839-00	CARBON CARBON CARBON CARBON CARBON	2. 2K 82K 10K 10K 2. 2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R133 1-247-873-00 R134 1-247-895-00 R135 1-247-895-00 R136 1-247-889-00 R137 1-247-839-00	CARBON CARBON CARBON	56K 470K 470K 270K 2.2K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R188 R189 R190 R191 R192	1-247-839-00 1-247-839-00 1-247-855-00 1-247-843-00 1-247-847-00	CARBON CARBON CARBON CARBON CARBON	2. 2K 2. 2K 10K 3. 3K 4. 7K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R138 1-247-131-00 R139 1-247-139-00 R140 1-247-139-00 R142 1-247-107-00 R143 1-247-139-00	CARBON CARBON CARBON	1K 2.2K 2.2K 100 2.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R193 R194 R196 R197 R198	1-244-877-51 1-247-871-00 1-247-871-00 1-247-871-00 1-247-863-00	CARBON CARBON CARBON CARBON CARBON	1.5K 47K 47K 47K 42K	5% 5% 5% 5% 5%	1/2W 1/6W 1/6W 1/6W 1/6W	
R144 1-247-855-00 R145 1-247-879-00 R146 1-247-123-00 R147 1-247-123-00 R148 1-247-123-00	CARBON CARBON CARBON	10K 100K 470 470 470	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/4W		R199 R201 R202 R203 R204	1-247-855-00 1-247-837-00 1-247-857-00 1-247-855-00 1-215-457-00	CARBON CARBON CARBON CARBON METAL	10K 1.8K 12K 10K 33K	5% 5% 5% 5% 1%	1/6W 1/6W 1/6W 1/6W 1/6W	
R149 1-246-485-25 R150 1-246-485-25 R151 1-247-115-00 R152 1-247-871-00 R153 1-247-855-00	CARBON CARBON CARBON	3. 3K 3. 3K 220 47K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/6W 1/6W		R205 R206 R208 R209 R211	1-215-457-00 1-247-863-00 1-247-883-00 1-247-883-00 1-247-831-00	METAL CARBON CARBON CARBON CARBON	33K 22K 150K 150K 1K	1% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R154 1-247-871-00 R155 1-247-871-00 R156 1-247-887-00 R157 1-247-863-00 R158 1-247-871-00	CARBON CARBON CARBON	47K 47K 220K 22K 47K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R215 R216 R218 R219 R220	1-247-883-00 1-247-815-00 1-247-845-00 1-247-817-00 1-247-801-00	CARBON CARBON CARBON CARBON CARBON	150K 220 3.9K 270 56	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R159 1-247-889-00 R160 1-247-879-00 R161 1-247-131-00	CARBON	270K 100K 1K	5% 5% 5%	1/6W 1/6W 1/4W		R221 R223 R224	1-247-822-00 1-247-821-00 1-247-830-00	CARBON CARBON CARBON	430 390 910	5% 5% 5%	1/6W 1/6W 1/6W	



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R225 R226 R227 R228 R229	1-247-827-00 1-247-807-00 1-247-827-00 1-247-833-00 1-247-803-00	CARBON CARBON CARBON CARBON CARBON	680 100 680 1.2K 68	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R331 R332 R333 R334 R335	1-247-807-00 1-247-821-00 1-247-863-00 1-247-829-00 1-247-831-00	CARBON CARBON CARBON CARBON CARBON	100 390 22K 820 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R230 R231 R232 R234 R235	1-247-843-00 1-247-846-00 1-247-851-00 1-247-839-00 1-247-819-00	CARBON CARBON CARBON CARBON CARBON	3. 3K 4. 3K 6. 8K 2. 2K 330	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R336 R337 R339 R340 R341	1-247-897-00 1-247-895-00 1-247-819-00 1-247-871-00 1-247-857-00	CARBON CARBON CARBON CARBON CARBON	560K 470K 330 47K 12K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R236 R237 R238 R239 R241	1-247-107-00 1-247-795-00 1-247-847-00 1-247-819-00 1-212-367-00	CARBON CARBON CARBON CARBON METAL OXIDE	100 33 4.7K 330 3.9	5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1W	F	R342 R345 R346 R347 R348	1-247-855-00 1-247-155-00 1-247-115-00 1-247-839-00 1-247-815-00	CARBON CARBON CARBON CARBON CARBON	10K 10K 220 2.2K 220	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	
R242 R243 R244 R245 R250	1-206-495-00 1-247-821-00 1-247-115-00 1-247-831-00 1-206-453-00	MÉTAL OXIDE CARBON CARBON CARBON METAL OXIDE	2.2 390 220 1K 3.9	5% 5% 5% 5% 5%	3W 1/6W 1/4W 1/6W 2W	F	R349 R350 R351 R352 R353	1-247-871-00 1-247-815-00 1-247-829-00 1-247-155-00 1-247-863-00	CARBON CARBON CARBON CARBON CARBON	47K 220 820 10K 22K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/6W	
R251 R256 R300 R301 R302	1-247-119-00 1-247-025-00 1-247-807-00 1-247-867-00 1-247-865-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	330 3.9 100 33K 27K	5% 5% 5% 5% 5%	1/4W 1/8W 1/6W 1/6W 1/6W	F	R354 R355 R356 R357 R359	1-246-537-00 1-247-815-00 1-246-517-25 1-247-903-00 1-247-827-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	470K 220 68K 1M 680	5% 5% 5% 5% 5%	1/4W 1/6W 1/4W 1/6W 1/6W	
R303 R304 R305 R306 R307	1-247-833-00 1-247-823-00 1-247-833-00 1-247-835-00 1-247-827-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	1. 2K 470 1. 2K 1. 5K 680	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R360 R361 R362 R363 R364	1-247-827-00 1-247-823-00 1-247-833-00 1-247-819-00 1-247-833-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	680 470 1.2K 330 1.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R308 R309 R310 R311 R312	1-247-827-00 1-247-827-00 1-247-827-00 1-247-833-00 1-247-833-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	680 680 680 1.2K 1.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R365 R366 R367 R377 R380	1-247-837-00 1-247-841-00 1-247-847-00 1-247-123-00 1-247-867-00	CARB ON CARB ON CARB ON CARB ON CARB ON	1.8K 2.7K 4.7K 470 33K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/6W	
R313 R314 R315 R316 R317	1-247-835-00 1-247-835-00 1-247-833-00 1-247-833-00 1-247-831-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	1.5K 1.5K 1.2K 1.2K 1.K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R381 R382 R391 R393 R394	1-247-867-00 1-247-855-00 1-247-865-00 1-247-815-00 1-247-819-00	CARBON CARBON CARBON CARBON CARBON	33K 10K 27K 220 330	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R318 R319 R320 R321 R322	1-247-841-00 1-247-841-00 1-247-841-00 1-247-899-00 1-247-865-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	2. 7K 2. 7K 2. 7K 680K 27K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R395 R396 R397 R398 R401	1-247-835-00 1-247-831-00 1-247-855-00 1-247-855-00 1-247-115-00	CARBON CARBON CARBON CARBON CARBON	1.5K 1K 10K 10K 220	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/4W	
R323 R324 R325 R326 R327	1-247-145-00 1-247-119-00 1-247-863-00 1-247-843-00 1-247-845-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	3. 9K 330 22K 3. 3K 3. 9K	5% 5% 5% 5% 5%	1,4W 1/4W 1/6W 1/6W 1/6W		R402 R403 R404 R405 R406	1-247-115-00 1-247-115-00 1-247-849-00 1-247-839-00 1-247-833-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	220 220 5. 6K 2. 2K 1. 2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/6W 1/6W 1/6W	
R328 R329 R330	1-247-829-00 1-247-839-00 1-247-831-00		820 2•2K 1K	5% 5% 5%	1/6W 1/6W 1/6W		R408 R410 R411	1-247-839-00 1-215-406-00 1-214-717-00		2. 2K 240 330	5% 1% 1%	1/6W 1/6W 1/4W	



	Ref.No.	Part No.	<u>Description</u>				Remark	Ref.No.	Part No.	<u>Description</u>			Remark
	R412 R414 R416 R417 R418	1-247-831-00 1-247-179-00 1-246-523-00 1-247-163-00 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	1K 100K 120K 22K 10K	5% 5% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/6W		R477 R478 R479 R480 R481	1-247-131-00 1-247-131-00 1-247-147-00 1-215-406-00 1-247-805-00	CARBON 1 CARBON 4 METAL 2	K 5% K 5% -7K 5% -40 1% 32 5%	1/4W 1/4W 1/4W 1/6W 1/6W	
	R419 R420 R421 R422 R423	1-247-179-00 1-247-847-00 1-214-717-00 1-247-163-00 1-247-871-00	CARBON CARBON METAL CARBON CARBON	100K 4.7K 330 22K 47K	5% 5% 1% 5% 5%	1/4W 1/6W 1/4W 1/4W 1/6W		R482 R483 R486 R487B R488	1-247-843-00 1-247-843-00 1-247-815-00 1-247-804-00 1-247-139-00	CARBON 3 CARBON 2 CARBON 7	3. 3K 5% 3. 3K 5% 220 5% 25 5% 2. 2K 5%	1/6W 1/6W 1/6W 1/6W 1/4W	
	R424 R425 R426 R427 R428	1-247-131-00 1-247-839-00 1-247-177-00 1-214-753-00 1-247-885-00	CARBON CARBON CARBON METAL CARBON	1K 2.2K 82K 10K 180K	5% 5% 5% 1% 5%	1/4W 1/6W 1/4W 1/4W 1/6W		R490 R493		CARBON 2	22K 5% 22K 5%	1/6W 1/6W	
	R429 R431 R435 R436 R437	1-247-129-00 1-214-753-00 1-247-115-00 1-247-115-00 1-247-145-00	C ARB ON ME TAL C ARB ON C ARB ON C ARB ON	820 10K 220 220 3.9K	5% 1% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W			1-228-723-00 1-228-723-00 1-228-720-00 1-228-719-00 1-228-724-00	RES, ADJ, CERAM RES, ADJ, CERAM RES, ADJ, CERAM RES, ADJ, CERAM	IIC CARBON IIC CARBON IIC CARBON IIC CARBON	4.7K 1K 470 10K	
,	R438 R439 R440 R441 R442	1-214-915-00 1-214-717-00 1-247-843-00 1-247-843-00 1-247-843-00	METAL METAL CARBON CARBON CARBON	120K 330 3.3K 3.3K 3.3K	1% 1% 5% 5% 5%	1/2W 1/4W 1/6W 1/6W 1/6W		RV403 RV404	1-228-724-00 1-228-724-00 1-228-724-00 1-228-723-00 1-228-719-00	RES, ADJ, CERAM RES, ADJ, CERAM RES, ADJ, CERAM RES, ADJ, CERAM RES, ADJ, CERAM	IC CARBON IC CARBON IC CARBON IC CARBON	10K 10K 4.7K 470	
	R443 R444 R445 R449 R450	1-247-834-00 1-247-827-00 1-247-833-00 1-247-855-00 1-247-879-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	1.3K 680 1.2K 10K 100K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		RV407	1-228-719-00 1-228-722-00 <u>FIL</u> 1-404-227-51	RES, ADJ, CERAM TER			
	R451 R452 R453 R454 R455	1-247-879-00 1-247-879-00 1-247-849-00 1-247-879-00 1-215-453-00		100K 100K 5.6K 100K 22K	5% 5% 5% 5% 1%	1/6W 1/6W 1/6W 1/6W 1/6W		T201 T202 T203 T204	1-404-541-11 1-404-467-00 1-404-467-00 1-404-505-00				
	R456 R457 R459 R460 R461	1-215-432-00 1-215-421-00 1-247-869-00 1-247-855-00 1-247-847-00	ME TAL ME TAL C ARB ON C ARB ON C ARB ON	3K 1K 39K 10K 4.7K	1% 1% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		T205	1-404-489-00	TRANSFORMER, BA	ANDPASS (BPT)	
	R462 R463 R464 R465 R466	1-247-831-00 1-247-831-00 1-247-107-00 1-247-107-00 1-247-107-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	1K 1K 100 100 100	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/4W		TU101 / ↑ X101 X102	CRY 1-567-192-11	TUNER, ET (BT-E STAL OSCILLATOR, CER OSCILLATOR, CER	RAMIC	18 - 18 A	
	R467 R468 R469 R470 R471	1-247-103-00 1-247-103-00 1-247-103-00 1-247-899-00 1-247-855-00		68 68 68 680K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/6W		X301	1-527-722-00				
	R472 R475 R476	1-247-891-00 1-247-131-00 1-247-131-00		330K 1K 1K	5% 5% 5%	1/6W 1/4W 1/4W							



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Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Descrip	tion				Remark
*1-613-419-21	M BOARD					RES	ISTOR					
	2101700				R1301				2. 2K		1/4W	
CA	PACITOR					1-247-139-00 1-247-139-00	CARBON CARBON		2. 2K 2. 2K	5% 5%	1/4W 1/4W	
C1301 1-102-978-00		220PF	5%	50V 50V	R1304	1-247-139-00	CARBON		2. 2K	5%	1/4W	
C1302 1-102-978-00 C1303 1-101-004-00		220PF 0.01MF	5%	50V 50V	K1305	1-247-139-00	CARBON		2. 2K	5%	1/4W	
C1304 1-123-318-00 C1305 1-106-196-00		33MF 0.01MF	20% 10%	16V 100V	R1306 R1307	1-247-139-00 1-247-139-00	CARBON CARBON		2.2K 2.2K	5% 5%	1/4W 1/4W	
				1000	R1308	1-247-139-00	CARBON		2.2K	5%	1/4W	
C1306 1-123-333-00 C1307 1-102-822-00		100MF 390PF	20% 5%	16V 50V	R1309	1-247-139-00 1-247-139-00	CARBON CARBON		2.2K 2.2K	5% 5%	1/4W 1/4W	
C1308 1-101-888-00	CERAMIC	68PF	5%	50V								
C1309 1-102-074-00 C1310 1-102-074-00		0.001MF 0.001MF	10% 10%	50V 50V		1-247-139-00 1-247-171-00	CARBON CARBON		2.2K 47K	5% 5%	1/4W 1/4W	
					R1313	1-247-179-00	CARBON		100K	5%	1/4W	
C1311 1-102-074-00 C1312 1-102-074-00		0.001MF 0.001MF	10% 10%	50V 50V		1-247-139-00 1-246-529-00	CARBON CARBON		2.2K 220K	5% 5%	1/4W 1/4W	
C1313 1-102-074-00	CERAMIC	0.001MF	10%	50V							•	
C1314 1-102-074-00	CERAMIC	0.001MF	10%	50V	R1316 R1317	1-247-147-00 1-247-133-00	CARBON CARBON		4.7K 1.2K	5% 5%	1/4W 1/4W	
DI	ODE				R1318	1-247-123-00	CARBON		470	5%	1/4W	
D1305 8-719-911-19	DIODE 188119	1				1-247-107-00 1-247-155-00	CARBON		100	5%	1/4W	
	DIODE ISS119				K1320	1-247-155-00	CARBON		10K	5%	1/4W	
	DIODE ISS119				R1321	1-247-123-00	CARBON		470	5%	1/4W	
D1308 8-719-911-19 D1310 8-719-911-19)			R1322 R1323	1-247-139-00 1-247-139-00	CARBON CARBON		2.2K 2.2K	5% 5%	1/4W 1/4W	
	D.T.O.D.C. 10.0110					1-247-139-00	CARBON		2.2K	5%	1/4W	
D1313 8-719-911-19 D1314 8-719-911-19	DIODE 188119				R1325	1-247-155-00	CARBON		10K	5%	1/4W	
D1316 8-719-911-19	DIODE ISS119)			R1326	1-247-163-00	CARBON		22K	5%	1/4W	
D1317 8-719-911-19 D1320 8-719-911-19)			R1327 R1328	1-247-119-00 1-247-091-00	CARBON CARBON		330 22	5% 5%	1/4W 1/4W	
					R1329	1-247-159-00	CARBON		15K	5%	1/4W	
D1321 8-719-911-19 D1322 8-719-102-58	DIODE 1SS119 DIODE RD3.6E	-N2			R1330	1-247-139-00	CARBON		2. 2K	5%	1/4W	
						1-247-139-00			2. 2K	5%	1/4W	
IC					R1332 R1333	1-247-139-00 1-247-139-00	CARBON CARBON		2.2K 2.2K	5% 5%	1/4W 1/4W	
IC1301 8-759-909-49	IC CX23040					1-247-139-00	CARBON		2.2K	5%	1/4W	
60	<u>I</u> L				R1335	1-247-139-00	CARBON		2.2K	5%	1/4W	
1 1 201 1 407 705 00	MICDO INDUCT	OD 100HH			R1336	1-247-131-00	CARBON		1K	5%	1/4W	
L1301 1-407-705-00	MICKO INDUCT	OK TOUGH			R1337 R1338	1-247-139-00 1-247-139-00	CARBON CARBON		2. 2K 2. 2K	5% 5%	1/4W 1/4W	
<u>C01</u>	NECTOR					1-247-139-00	CARBON		2.2K	5%	1/4W	
M1 *1-564-354-00	PLUG, CONNEC	TOR (2.5MM)	3P		K1340	1-247-139-00	CARBON		2. 2K	5%	1/4W	
M2 *1-564-354-21	PLUG, CONNEC	TOR (2.5MM)	3P			1-247-139-00			2. 2K		1/4W	
M3 *1-564-442-11 M5 *1-564-440-11					R1342	1-247-139-00	CARBON		2. 2K	5%	1/4W	
M8 *1-564-442-11	PLUG, CONNEC	TOR (2.5MM)	6P			SWI	TCH					
TRA	ANSISTOR			,	\$1301	1-553-976-00	SWITCH,	PUSH				
01301 8-729-245-83	TRANSISTOR 2	SC2458				1-553-976-00 1-553-976-00						
01302 8-729-245-83	TRANSISTOR 2	SC2458			\$1304	1-553-976-00	SWITCH,	PUSH				
Q1303 8-729-245-83	TRANSISTOR 2	SC2458			\$1305	1-570-061-11	SWITCH,	PUSH	(8 KEY) .		
						1-570-061-11						
			•		\$1307	1-570-061-11	SWITCH,	PUSH ((8 KEY)		





Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description				Rema	rk_
\$1308 1-570-061-11 \$1309 1-553-976-00	SWITCH, PUSH				C764	1-123-321-00 DIO		220MF		20%	16V	
\$1310 1-570-061-11 \$1311 1-553-976-00	SWITCH, PUSH				D701	8-719-911-19						
S1317 1-570-062-11	SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH	(8 KEY) (2 KEY) (2 KEY)	,		D702 D703 D704 D705	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119					
\$1319 1-570-061-11 \$1321 1-554-824-11	SWITCH, PUSH	(1 KEY)			D706	8-719-911-19	DIODE 1SS119					
S1322 1-554-824-11	SWITCH, PUSH	(1 KEY)				<u>C01</u>	<u>L</u>					
<u>CR'</u>	YSTAL				L701	1-407-701-00						
X1301 1-527-476-00					L702 L703 L704	1-407-701-00 1-407-701-00 1-407-701-00	MICRO INDUCT MICRO INDUCT	OR 47UH OR 47UH				
*******	****	*****	******	******		1-459-257-00	COIL, WITH C					
*A-1330-557-A	C BOARD, COMP	LETE ****			L751	1-407-697-00	MICRO INDUCT	OR 22UH				
1_526_644_71	SOCKET, CRT	·				TRA	NSISTOR_					
	NNECTOR				Q701 Q702	8-729-245-83 8-729-326-11	TRANSISTOR 2 TRANSISTOR 2	SC2611				
C1 +1 FOC 271 00	2D DI IIC /I \				Q703 Q704	8-729-245-83 8-729-326-11	TRANSISTOR 2 TRANSISTOR 2					
C1 *1-506-371-00 C2 *1-564-353-00 C4 *1-508-765-00	2P PLUG (L) PLUG, CONNECT 3P PLUG (M)	OR (2.5MM)	2 P		Q705 Q706	8-729-245-83 8-729-326-11	TRANSISTOR 2	SC2458				
CA	PACITOR				0751 0752	8-729-245-83 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2458				
C701 1-102-155-00 C702 1-129-779-00	FILM	330PF 0.022MF 4.7MF	20% 20% 20%	2K V 1K V 100V	Q753 Q754	8-729-245-83 8-729-103-43	TRANSISTOR 2 TRANSISTOR 2	SC2458				
C703 1-123-383-00 C704 1-121-759-00 C705 1-161-830-00	ELECT	4. 7MF 0. 0047MF	20%	250V 500V	Q755 Q756 Q757	8-729-177-43 8-729-177-43 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SD774				
C706 1-129-714-00 C708 1-102-115-00	CERAMIC	0.01MF 560PF	10% 10%	630V 50V			ISTOR					
C709 1-102-115-00 C710 1-102-116-00	CERAMIC	560PF 680PF	10% 10%	50V 50V	R701	1-202-846-00	SOLID	470K		1/2W		
C711 1-102-125-00		0.0047MF	10%	50V	R702 R703	1-202-720-00 1-202-844-00	SOLID SOLID	1.2M 330K	10%	1/2W 1/2W		
C712 1-123-356-00 C713 1-102-116-00		10MF 680PF	20% 10%	25V 50V	R704 R705	1-202-836-00 1-202-846-00	SOLID	56K 470K		1/2W 1/2W		
C714 1-102-116-00 C715 1-102-116-00	CERAMIC	680PF 680PF	10% 10%	50V 50V	R707	1-202-842-51	SOLID	220K		1/2W		
C751 1-102-971-00		82PF	5%	·50V	R708 R709	1-202-824-00	SOLID SOLID	3. 3K 3. 3K		1/2W 1/2W		
C752 1-106-178-00 C753 1-106-212-00	MYLAR	0.0018MF 0.047MF 10MF	10% 10% 20%	100V 100V 25V	R710 R711		METAL OXIDE SOLID	0.47 100	5% 10%	1W 1/2W	F	
C754 1-123-356-00 C755 1-102-980-00	CERAMIC	270PF 0.01MF	5% 10%	50V 100V	R712 R713	1-202-543-00 1-202-824-00	SOLID SOLID	56 3.3K	10%	1/2W 1/2W		
C756 1-106-196-00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				R714	1-247-107-00	CARBON	100	5%	1/4W		
C758 1-106-196-00 C760 1-106-196-00	MYLAR	0.01MF 0.01MF	10% 10%	100V 100V	R715 R716		CARBON CARBON	330 270	5% 5%	1/6W 1/6W		
C761 1-106-220-00 C762 1-106-196-00 C763 1-123-356-00	MYLAR	0.1MF 0.01MF 10MF	10% 10% 20%	100V 100V 50V	R717 R718	1-247-839-00 1-247-783-00 1-247-841-00	CARBON CARBON	2.2K 10 2.7K	5% 5%	1/6W 1/6W 1/6W		
					R719	1-24/-041-00	CANDON	∠+ / N	J 10	T/ OM		





Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description			Remark
R720 R722 R723 R724	1-247-823-00 1-206-747-00 1-247-819-00 1-247-817-00	METAL OXIDE CARBON	470 8.2K 330 270	5% 5% 5% 5%	1/6W 3W 1/6W 1/6W	F		*4-363-404-00 4-363-414-00 4-374-104-01	SPACER, MICA HOLDER, TR			
R725	1-247-839-00	CARBON	2. 2K	5%	1/6W			CAP	ACITOR			
R726 R727 R728 R730 R731	1-247-783-00 1-247-835-00 1-247-817-00 1-206-747-00 1-247-819-00	C ARB ON C ARB ON	10 1.5k 270 8.2K 330	5% 5% 5% 5%	1/6W 1/6W 1/6W 3W 1/6W	F	C602 C603 C604 C605 C606	1-123-333-00 1-102-125-00 1-102-125-00 1-123-333-00 1-123-360-00	CERAMIC CERAMIC ELECT	100MF 0.0047MF 0.0047MF 100MF 100MF	20% 10% 10% 20% 20%	16V 50V 50V 25V 50V
R732 R733 R734 R735 R737	1-247-813-00 1-247-839-00 1-247-841-00 1-247-777-00 1-206-747-00	CARBON CARBON CARBON	180 2.2K 2.7K 5.6 8.2K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 3W	F	C607 C608 C610 C611 C612	1-123-356-00 1-123-330-00 1-123-335-00 1-123-360-00 1-123-332-00	ELECT ELECT ELECT	10MF 22MF 330MF 100MF 47MF	20% 20% 20% 20% 20%	16V 16V 25V 50V 16V
R751 R752 R753 R754 R755	1-247-815-00 1-247-815-00 1-247-833-00 1-247-829-00 1-213-147-00	C ARB ON C ARB ON C ARB ON	220 220 1.2K 820 2.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1W	F		1-123-333-00 1-101-002-00 1-136-311-51 1-130-678-51 1-161-953-00	CERAMIC FILM FILM ∪	100MF 0.0022MF 0.47MF 0.047MF 0.0047MF		25V 50V 300V 125V 400V
R756 R757 R758 R759 R760	1-247-825-00 1-247-849-00 1-247-867-00 1-247-783-00 1-247-819-00	CARBON CARBON CARBON	560 5.6K 33K 10 330	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		C623 C624 C625 C626 C627	1-161-953-00 1-161-953-00 1-161-953-00 1-161-953-00 1-125-295-00	CERAMIC CERAMIC	0.0047MF 0.0047MF 0.0047MF 0.0047MF 560MF	20% 20% 20% 20% 20%	400V 400V 400V 400V 200V
R761 R762 R764 R765 R766	1-247-815-00 1-247-815-00 1-247-831-00 1-247-775-00 1-247-867-00	CARBON	220 220 1K 4.7 33K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		C630 C1501	1-125-295-00 1-161-953-00 1-161-953-00 1-102-117-00 1-162-117-00		560MF 0.0047MF 0.0047MF 820PF 100PF	20% 20% 20% 10% 10%	200V 400V 400V 50V 500V
R767 R768 R769 R771 R772	1-247-855-00 1-247-867-00 1-247-831-00 1-247-871-00 1-247-791-00		10K 33K 1K 47K 22	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		C1504 C1505		ELECT MYLAR	0.001MF 1MF 0.047MF 0.047MF 0.0068MF	10% 20% 10% 5% 10%	100V 50V 100V 50V 100V
R773 R776	1-247-801-00 1-247-775-00	CARBON CARBON	56 4.7	5% 5%	1/6W 1/6W			1-106-220-00 1-106-204-00 1-123-356-00		0.1MF 0.022MF 10MF	10% 10% 20%	100V 100V 16V
		IABLE RESISTOR	-					1-123-381-00 1-130-868-00	ELECT FILM	2.2MF 0.0056MF	20% 5%	50V 50V
RV702 RV703 RV704	1-230-105-00	RES, ADJ, CAF RES, ADJ, CAF RES, ADJ, CAF	RBON 3. RBON 1K RBON 3.	. 3K . 3K			C1515 C1516 C1517	1-123-356-00 1-102-820-00	CERAMIC ELECT	10MF 10MF 330PF 220MF 0•22MF	20% 20% 5% 20% 20%	16V 16V 50V 16V 50V
RV706 RV707	1-230-105-00 1-230-105-00	RES, ADJ, CAR RES, ADJ, CAR	RBON 3. RBON 3.	3K 3K			C1519	1-136-173-00	FILM	0.47MF 0.47MF	5% 20%	50V 50V
*****	************ *A-1345-483-A		LETE	*****	*****	******	C1521 C1522	1-123-379-00 1-123-380-00 1-106-172-00 1-123-379-00	ELECT MYLAR	1MF 0.001MF 0.47MF	20% 10% 20%	50V 50V 100V 50V
	*1-508-765-00 *4-329-153-00	3P PLUG (M)					C1525	1-106-204-00 1-123-369-00 1-123-323-00	ELECT	0.022MF 4.7MF 470MF	10% 20% 20%	100V 50V 16V



Ref.No.	Part No.	Description			Remark	Ref.No. Par	t No.	Description			Remark
C1527 C1528 C1529 C1530 C1531	1-106-190-00 1-106-204-00 1-102-030-00 1-123-357-00 1-102-038-00	MYLAR MYLAR CERAMIC ELECT CERAMIC	0.0056MF 0.022MF -330PF 22MF 0.001MF	10% 10% 10% 20%	100V 100V 500V 500V 500V	C1652 1-1 C1653 1-1	.23-364-00 .02-038-00	MYLAR ELECT CERAMIC MYLAR CERAMIC	0.047MF 1000MF 0.001MF 0.047MF 0.0047MF	10% 20% 10% 10%	100V 50V 500V 200V 2K V
C1534 C1535 C1536 C1538 C1540	1-123-356-00 1-106-190-00 1-123-232-00 1-102-114-00 1-123-332-00	ELECT MYLAR ELECT CERAMIC ELECT	10MF 0.0056MF 4.7MF 470PF 47MF	20% 10% 20% 10% 20%	16V 100V 50V 50V 25V	C1656 1-1 C1657 1-1 C1658 1-1	02-212-00 23-336-00 24-347-00 23-384-00 06-377-00	CERAMIC ELECT ELECT ELECT MYLAR	820PF 470MF 100MF 10MF 0.027MF	10% 20% 20% 20% 10%	500V 25V 160V 100V 200V
C1541 C1542 C1543 C1544 C1545	1-102-157-00 1-123-332-00 1-102-030-00 1-108-437-00 1-108-431-00	CERAMIC ELECT CERAMIC MYLAR MYLAR	560PF 47MF 330PF 0.22MF 0.068MF	10% 20% 10% 10% 10%	500V 16V 500V 200V 200V	C1661 1-1 C1662 1-1 C1663 <u>↑</u> 1-1	62-134-51	ELECT CERAMIC MYLAR CERAMIC FILM	0.47MF 220PF 0.01MF 470PF 0.025MF		50V 500V 200V 2KV 2KV
C1546 C1547 C1548 C1549 C1550	1-123-931-00 1-123-356-00 1-102-212-00 1-108-429-00 1-108-429-00	ELECT ELECT CERAMIC MYLAR MYLAR	3.3MF 10MF 820PF 0.047MF 0.047MF	20% 20% 10% 10% 10%	160V 50V 500V 200V 200V	C1665A1-1 C1666 1-1 C1667A.1-1 C1668A1-1 C1669 1-1	.06-351-00 .36-315-51 .29-704-51	CERAMIC MYLAR FILM FILM ELECT	330PF 0.0022MF 0.047MF 0.0015MF 47MF	10% 5%	2K V 200V 630V 630V 25V
C1551 C1552 C1553 C1555 C1556	1-124-609-11 1-123-380-00 1-123-357-00 1-106-172-00 1-106-188-00	ELECT ELECT ELECT MYLAR MYLAR	470MF 1MF 22MF 0.001MF 0.0047MF	10% 20% 20% 10% 10%	50V 50V 50V 100V 100V	C1671 1-1 C1672 1-1	36-179-11	MYLAR MYLAR	1.2MF 0.001MF 0.068MF 1.5MF 0.68MF	5% 10% 10% 5% 10%	200V 11 100V 200V 200V 250V
C1557 C1558 C1559 C1567 C1572	1-136-173-00 1-102-212-00 1-101-004-00 1-102-112-00 1-106-196-00	FILM CERAMIC CERAMIC CERAMIC MYLAR	0.47MF 820PF 0.01MF 330PF 0.01MF	5% 10% 10% 10%	50V 500V 50V 50V 100V	C16752\1-1 C1676 1-1 C1677 1-1	.02-233-00	CERAMIC MYLAR CERAMIC VECTOR	330PF 0.047MF 33PF	10% 10% 10%	2KV 200V 500V
C1573 C1574 C1575 C1576 C1577	1-123-380-00 1-106-204-00 1-106-196-00 1-106-212-00 1-106-212-00	ELECT MYLAR MYLAR MYLAR MYLAR	1MF 0.022MF 0.01MF 0.047MF 0.047MF	20% 10% 10% 10% 10%	50V 100V 100V 100V 100V	D2 *1-5 D3 *1-5 D4 *1-5	64-353-00 64-444-11 08-766-00 64-441-11 64-440-11	PLUG, CONNECT PLUG, CONNECT 4P PLUG (M) PLUG, CONNECT PLUG, CONNECT	TOR (2.5MM) TOR (2.5MM)	8P 5P	
C1578 C1579 C1591 C1592 C1593	1-123-379-00 1-123-330-00 1-123-356-00 1-123-356-00 1-123-379-00	ELECT ELECT ELECT ELECT ELECT	0.47MF 22MF 10MF 10MF 0.47MF	20% 20% 20% 20% 20%	50V 25V 25V 25V 50V	D8 *1-5 D10 *1-5 D11 *1-5	08-766-00 08-765-00 08-765-00 08-767-00 60-125-00	4P PLUG (M) 3P PLUG (M) 3P PLUG (M) 5P PLUG PLUG, CONNEC	TOR (2.5MM)	5P	·
C1594 C1595 C1596 C1600 C1601	1-106-196-00 1-106-184-00 1-102-117-00 1-106-180-00 1-106-208-00	MYLAR MYLAR CERAMIC MYLAR MYLAR	0.01MF 0.0033MF 820PF 0.0022MF 0.033MF	10% 10% 10% 10% 10%	100V 100V 50V 100V 100V	D14 *1-5 D15 *1-5 D16 *1-5	08-767-00 08-766-00 60-290-00 08-765-00 08-765-00	5P PLUG 4P PLUG (M) PLUG, CONNEC 3P PLUG (M) 3P PLUG (M)	TOR (2.5MM P	ІТСН)	
C1602 C1604 C1605 C1606 C1607	1-106-184-00 1-123-359-00 1-123-357-00 1-123-332-00 1-123-360-00	MYLAR ELECT ELECT ELECT ELECT	0.0033MF 47MF 22MF 47MF 100MF	10% 20% 20% 20% 20%	100V 50V 50V 16V 50V	DY3 *1-5	DIO	-			
C1608 C1609	1-129-701-00 1-106-208-00 1-123-361-00	FILM MYLAR	0.01MF 0.033MF 220MF	5% 10% 20%	100V 100V 50V	D606 8-7 D607 8-7		DIODE U05G DIODE 1SS119 DIODE 1SS119 DIODE SIVB10-S	r jagn nos		



Ref.No. Part No.	<u>Description</u> <u>Remark</u>	Ref.No.	Part No.	Description			Remark
D621 8-719-911-55 D622 8-719-911-55 D623 8-719-911-55	DIODE UOSG	L1520			0624 ° DE	- 19 in 19 19 19 19 19 19 19 19 19 19 19 19 19	1. [2] 第二
		0500	-		01650		
D1503 8-719-100-35 D1504 8-719-911-55 D1507 8-719-100-35	DIODE RD24E-BZ7 DIODE RD5. 6E-B2 DIODE UOSG DIODE RD5. 6E-B2 DIODE RD5. 6E-L2	01501 01502	8-729-201-78 8-729-204-83 8-729-245-83	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	D1406 A1048GR C2458		
D1509 8-719-911-19 D1510 8-719-911-19 D1511 8-719-911-19 D1512 8-719-911-19 D1513 8-719-300-76	DIODE 188119 DIODE 188119 DIODE 188119	01506 01507 01508	8-729-204-83 8-729-169-02 8-729-122-02	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A1048GR C2690A A1220A		
01514 8-719-200-02 01515 8-719-911-55 01516 8-719-200-02 01517 8-719-911-19 01651 8-719-300-38	DIODE UOSG DIODE 10E2 DIODE 1SS119	01511 01513 01514	8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C2458 C2458 C2458		•
D1652 8-719-300-91 D1653 8-719-300-76 D1654 8-719-901-19 D1655 8-719-305-15 D1656 8-719-305-15	5 DIODE RH1A 0 DIODE V11N 5 DIODE GH3F	01517 01521 01522	8-729-245-83 8-729-122-02 8-729-169-02	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C2458 A1220A C2690A		
D1657 8-719-900-26 D1658 8-719-911-55 D1659 8-719-911-55 D1660 8-719-300-65	DIODE UOSG DIODE UOSG	Q1525 Q1527	4-342-013-00 8-729-245-83 8-729-175-22	TRANSISTOR 28 SPACER, MICA, TRANSISTOR 28 TRANSISTOR 28 TRANSISTOR 28	Q1524 C2458 C2752		
FU	<u>SE</u>	1		ISTOR			
	FUSE, GLASS TUBE 125V 7A LAMP HOLDER, F601	R602 R603	1-247-147-00 1-247-139-00	CARBON CARBON	4.7K 5% 2.2K 5%	1/4W	CONTROL CONTROL TO THE CONTROL OF T
<u>IC</u>		R604 A	1-213-135-61 1-247-831-00	METAL OXIDE CARBON	1K 5%		F T
IC1501 8-759-100-60 IC1502 6-066-717-10		R607	1-247-855-00	CARBON	10K 5%	1/6W	
<u>cc</u>	<u>IL</u>			SOLID SOLID	1K 5% 2.2M 10 2.2M 10	% 1/2W % 1/2W	To the second
L1501 A 1-459-059-12	CAIL BUST CODE	R622	1-205-768-11	CEMENTED	1.2 5%		
L1504 1-400-225-00	MICRO INDUCTOR 3.30H	R623	1-246-525-00		150K 5%	1/4W	
L1505 1-408-225-00	MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH COIL, DUST CORE	R624 R1500	1-246-525-00 1-246-525-00 1-247-831-00 1-247-155-00	CARBON CARBON CARBON	150K 5% 150K 5% 1K, 5% 10K 5%	1/4W 1/6W 1/4W	
L1505 1-408-225-00 L1506 1-408-225-00 L1507 A1-459-104-11 L1508 1-407-877-00 L1509 1-459-119-00	MICRO INDUCTOR 3.30H MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH COIL, DUST CORE MICRO INDUCTOR 15MMH COIL, DUST CORE(ARC)	R624 R1500 R1501 R1502	1-246-525-00 1-247-831-00	CARBON CARBON CARBON CARBON METAL OXIDE	150K 5% 150K 5% 1K 5%	1/4W 1/6W 1/4W 2W	F
L1505 1-408-225-00 L1506 1-408-225-00 L1507 1-459-104-11 L1508 1-407-877-00 L1509 1-459-119-00 L1512 1-459-215-00 L1513 1-459-104-00	MICRO INDUCTOR 3.30H MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH COIL, DUST CORE MICRO INDUCTOR 15MMH COIL, DUST CORE(ARC) CORE COIL	R624 R1500 R1501 R1502 R1503 R1504 R1505	1-246-525-00 1-247-831-00 1-247-155-00 1-206-700-00	CARBON CARBON CARBON CARBON METAL OXIDE CARBON CARBON CARBON CARBON	150K 5% 150K 5% 1K, 5% 10K 5% 33K 5%	1/4W 1/6W 1/4W 2W 1/6W 1/6W	F
L1505 1-408-225-00 L1506 1-408-225-00 L1507 A1-459-104-11 L1508 1-407-877-00 L1509 1-459-119-00 L1512 1-459-215-00 L1513 1-459-104-00 L1514A, 1-459-308-31	MICRO INDUCTOR 3.30H MICRO INDUCTOR 3.30H MICRO INDUCTOR 3.30H COIL, DUST CORE MICRO INDUCTOR 15MMH COIL, DUST CORE(ARC) CORE COIL COIL, DUST CORE COIL, HORIZONTAL LINEARITY MICRO INDUCTOR 2.2MMH	R624 R1500 R1501 R1502 R1503 R1504 R1505 R1506 R1507	1-246-525-00 1-247-831-00 1-247-155-00 1-206-700-00 1-247-815-00 1-247-819-00 1-247-845-00	CARBON CARBON CARBON CARBON METAL OXIDE CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON	150K 5% 150K 5% 1K, 5% 10K 5% 33K 5% 220 5% 330 5% 3.9K 5%	1/4W 1/6W 1/4W 2W 1/6W 1/6W 1/6W	F



Ref.No. Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R1510 1-247-877-00 R1511 1-247-868-00 R1512 1-247-819-00 R1513 1-247-177-00 R1514 1-246-485-25	CARBON CARBON CARBON CARBON CARBON	82K 36K 330 82K 3.3K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/4W		R1567 R1568 R1569	1-247-034-00 1-213-141-00 1-247-797-00 1-213-148-00 1-247-835-00	CARBON METAL OXIDE CARBON METAL OXIDE CARBON	220 680 39 2.7K 1.5K	5% 5% 5% 5% 5%	1/8W 1W 1/8W 1W 1/6W	F F F
R1515 1-247-857-00 R1516 1-247-867-00 R1517 1-247-827-00 R1518 1-247-827-00 R1519 1-247-851-00	CARBON CARBON CARBON CARBON CARBON	12K 33K 680 680 6.8K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1571 R1572 R1573 R1574 R1575	1-247-167-00 1-247-873-00 1-247-855-00 1-247-843-00 1-247-835-00	CARBON CARBON CARBON CARBON CARBON	33K 56K 10K 3.3K 1.5K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	
R1520 1-247-135-00 R1521 1-247-177-00 R1522 1-215-463-00 R1523 1-247-857-00 R1524 1-247-158-00	CARBON CARBON METAL CARBON CARBON	1.5K 82K 56K 12K 13K	5% 5% 1% 5%	1/4W 1/4W 1/6W 1/6W 1/4W			1-247-815-00 1-247-131-00 1-215-411-00 1-247-823-00	CARBON CARBON METAL METAL CARBON	220 1K 390 470	5% 5% 1% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	
R1525 1-247-845-00 R1526 1-247-867-00 R1527 1-247-155-00 R1528 1-247-839-00 R1529 1-214-753-00	CARBON CARBON CARBON CARBON METAL	3.9K 33K 10K 2.2K 10K	5% 5% 5% 1%	1/6W 1/6W 1/4W 1/6W 1/4W		R1581 R1582 R1583 R1584 R1585	1-247-837-00 1-246-485-25 1-212-364-00 1-213-147-00 1-247-171-00	CARBON CARBON METAL OXIDE METAL OXIDE CARBON	1.8K 3.3K 2.2 2.2K 47K	5% 5% 5% 5% 5%	1/6W 1/4W 1W 1W 1/4W	F F
R1530 1-214-750-00 ■R1531A, R1532 1-247-855-00 R1533 1-206-692-00 ■R1534A,	METAL	7.5K 10K 15K	5% 5%	1/6W 2W	F	R1586 R1587 R1588 R1589 R1590	1-206-463-00 1-206-463-00 1-246-503-25 1-247-855-00 1-247-839-00	METAL OXIDE METAL OXIDE CARBON CARBON CARBON	10 10 18K 10K 2•2K	5% 5% 5% 5% 5%	2W 2W 1/4W 1/6W 1/6W	F
R1535A- R1537 1-214-783-00 R1538 1-214-753-00 R1539 1-247-177-00 R1540 1-246-545-00	CARBON	180K 10K 82K 1M	1% 1% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R1591 R1592 R1593 R1594 R1595	1-247-849-00 1-247-843-00 1-247-831-00 1-247-857-00 1-247-875-00	CARBON CARBON CARBON CARBON CARBON	5. 6K 3. 3K 1K 12K 68K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1541 1-202-723-00 R1543 1-214-750-00 R1544 1-214-779-00 R1545 1-214-781-00 R1546 1-247-831-00	METAL METAL METAL	2.2M 7.5K 120K 150K 1K	10% 1% 1% 1% 5%	1/2W 1/4W 1/4W 1/4W 1/6W		R1596 R1597 R1598 R1599 R1600	1-247-879-00 1-247-847-00 1-247-875-00 1-247-839-00 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	100K 4.7K 68K 2.2K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1547 1-214-766-00 R1548 1-247-119-00 R1549 1-247-833-00 R1550 1-213-161-00 R1551 1-247-131-00	CARBON CARBON METAL OXIDE	36K 330 1.2K 33K 1K	1% 5% 5% 5% 5%	1/4W 1/4W 1/6W 1W 1/4W	F	R1601 R1602 R1603 R1604 R1605	1-247-867-00 1-247-139-00 1-247-167-00 1-247-855-00 1-247-871-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	33K 2.2K 33K 10K 47K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	
R1552 1-247-109-00 R1553 1-213-155-00 R1554 1-247-807-00 R1555 1-247-879-00	METAL OXIDE CARBON CARBON	120 10K 100 100K	5% 5% 5% 5%	1/4W 1W 1/6W 1/6W 1/4W	F	R1606 R1607 R1608 R1609 R1610	1-247-871-00 1-247-833-00 1-247-875-00 1-247-875-00 1-247-855-00	CARB ON CARB ON CARB ON CARB ON CARB ON	47K 1.2K 68K 68K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1558 1-247-903-00 R1559 1-247-903-00 R1560 1-247-807-00 R1561 1-247-823-00 R1562 1-213-145-00	CARBON CARBON CARBON	1M 1M 100 470 1.5K	5% 5% 5% 5% 5%	1/6W 1/6W 1/8W 1/8W 1W	F F	R1611 R1612 R1613 R1614 R1616	1-247-831-00 1-247-107-00 1-247-875-00 1-247-855-00 1-246-485-25	CARBON CARBON CARBON CARBON CARBON	1K 100 68K 10K 3.3K	5% 5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/4W	
R1563 1-212-361-00 R1564 1-212-361-00 R1565 1-247-791-00	METAL OXIDE	1.2 1.2 22	5% 5% 5%	1W 1W 1/8W	F F F	R1617 R1618 R1619	1-247-863-00 1-247-847-00 1-247-863-00	CARBON CARBON CARBON	22K 4.7K 22K	5% 5% 5%	1/6W 1/6W 1/6W	1

 The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.





Ref.No.	Part No.	Description				<u>R</u>	emark	Ref.No.	Part No.	Description			Remark
R1621 R1622 R1623	1 -247 -843-00 1 -247 -799-00 1 -247 -799-00 1 -247 -783-00 1 -247 -855-00	CARBON CARBON CARBON CARBON CARBON	3.3K 47 47 10 10K	5% 5% 5% 5%	1/6W 1/8W 1/8W 1/8W 1/6W	FF		RY601 A	<u>REL</u> 1-515-491-11 <u>SPA</u>) TRUE COM		I dest
R1626 R1627 R1631	1-247-871-00 1-247-795-00 1-247-791-00 1-247-153-00 1-247-877-00	CARBON CARBON	47K 33 22 8. 2K 82K	5% 5% 5% 5%	1/6W 1/8W 1/8W 1/4W 1/6W	F		T601 ∕ ∆	 1-448-019-11	NSFORMER TRANSFORMER,		toral L	-I area
R1634 R1635 R1636	1-247-861-00 1-247-861-00 1-214-775-00 1-247-861-00 1-247-857-00	CARBON CARBON METAL A CARBON CARBON	18K 18K 82K 18K 12K	5% 5% 1% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/6W			T1502 T1503	and the same of th	TRANSFORMER, TRANSFORMER, RMISTOR	FERRITE (DI	=T)	
R1639 R1640 R1641	1-247-815-00 1-213-133-00 1-247-817-00 1-247-843-00 1-247-845-00	CARBON METAL OXIDE CARBON CARBON CARBON	220 150 270 3. 3K 3. 9K	5% 5% 5% 5%	1/6W 1W 1/6W 1/6W 1/6W	F		*****	<u>A</u> 1-806-214-11 ************* *A-1381-024-A	Commence of the second	***********	*****	******
R1644 R1649 R1651	1-247-825-00 1-247-807-00 1-247-111-00 1-210-859-00 1-210-859-00	CARBON CARBON CARBON CARBON CARBON	560 100 150 1.2 1.2	5% 5% 5% 5% 5%	1/6W 1/6W 1/4W 1/8W 1/8W	F			*1-560-984-00 <u>CAF</u>	ACITOR		UTPUT	50V
R1654 R1655 R1656	1-206-511-00 1-213-146-00 1-247-853-00 1-206-733-00 1-207-453-00	METAL OXIDE METAL OXIDE CARBON METAL OXIDE WIREWOUND	10 1.8K 8.2K 2.2K 0.15	5% 5% 5% 5% 10%	3W 1W 1/6W 3W	F		C801 C802 C803 C804 C805	1-123-380-00 1-123-380-00 1-123-380-00 1-123-380-00 1-123-380-00	ELECT ELECT ELECT	IMF IMF IMF IMF	20% 20% 20% 20%	50V 50V 50V 50V
R1659 R1660 R1661	1-247-835-00 1-247-099-00 1-206-658-00 1-213-141-00 1-213-128-00	CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE	1.5K 47 560 680 56	5% 5% 5% 5% 5%	1/6W 1/4W 2W 1W 1W	FFF		C806 C807 C808 C809 C810	1-123-324-00	ELECT ELECT ELECT ELECT	1MF 1MF 1000MF 1000MF 1000MF	20% 20% 20% 20% 20%	50V 50V 16V 16V 16V
R1664 R1665	1-212-368-00 1-247-817-00 1-206-485-00 1-206-485-00	METAL OXIDE CARBON METAL OXIDE METAL OXIDE	4.7 270 82 82	5% 5% 5% 5%	1W 1/8W 2W 2W	FFF	,5	C811 C812 C813 C814 C815	1-123-611-00 1-123-611-00 1-123-380-00 1-123-380-00 1-123-380-00		1MF 1MF 1MF 1MF 1MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V
RV1503 RV1504 RV1505	1-228-723-00 1-228-717-00 1-228-727-00 1-228-727-00	RES, ADJ, CER RES, ADJ, CER RES, ADJ, CER	RAMIC C RAMIC C RAMIC C RAMIC C	ARBON ARBON ARBON	220 47K 47K			C816 C817 C818 C819 C820	1-123-380-00 1-123-307-00 1-123-318-00 1-123-308-00 1-102-125-00	ELECT ELECT ELECT CERAMIC	1MF 100MF 33MF 220MF 0.0047MF	20% 20% 20% 20% 10%	50V 6. 3V 16V 10V 50V
RV1506 RV1507 RV1508 RV1509 RV1510	1-228-724-00 1-228-727-00 1-228-724-00 1-228-727-00 1-228-728-00	RES, ADJ, CER RES, ADJ, CER RES, ADJ, CER RES, ADJ, CER RES, ADJ, CER	AMIC C AMIC C AMIC C AMIC C	ARBON ARBON ARBON ARBON	10K 47K 10K 47K 100K			C821 C822 C823 C824 C825	1-102-965-00 1-102-965-00 1-102-965-00 1-123-820-00 1-123-820-00	CERAMIC CERAMIC CERAMIC ELECT ELECT	39PF 39PF 39PF 33MF 33MF	5% 5% 5% 20% 20%	50V 50V 50V 16V
RV1512	1-228-723-00 1-228-718-00 1-228-720-00	RES, ADJ, CER RES, ADJ, CER RES, ADJ, CER	AMIC C	ARBON	4.7K 330			C826 C827 C829 C830	1-123-820-00 1-102-824-00 1-101-880-00 1-123-333-00	ELECT CERAMIC CERAMIC ELECT	33MF 470PF 47PF 100MF	20% 5% 5% 20%	16V 50V 50V 16V



Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description				Remark
C832 1-123-622-0 C834 1-123-318-0 C835 1-123-820-0 C836 1-123-820-0 C837 1-123-318-0	O ELECT O ELECT	22MF 33MF 33MF 33MF 33MF	20% 20% 20% 20% 20%	16V 16V 16V 16V 16V	Q817 Q818 Q819 Q820 Q821	8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANS IS TOR TRANS IS TOR TRANS IS TOR TRANS IS TOR TRANS IS TOR	2SC 2458 2SC 2458 2SC 2458			à.
C839 1-123-380-0 C842 1-123-321-0 C843 1-123-318-0 C845 1-123-356-0 C846 1-119-358-0	O ELECT O ELECT O ELECT	1MF 220MF 33MF 10MF 22MF	20% 20% 20% 20%	50V 16V 16V 16V 16V	Q822 Q823 Q824 Q825 Q826	8-729-204-83 8-729-204-83 8-729-245-83 8-729-204-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA10486 2SC2458 2SA10486	iR	-	
C847 1-102-125-0 C851 1-123-332-0 C852 1-123-318-0 C853 1-102-125-0 C880 1-123-307-0	O ELECT O ELECT O CERAMIC	0.0047MF 47MF 33MF 0.0047MF 100MF	10% 20% 20% 10% 20%	50V 16V 16V 50V 6. 3V	Q827 Q828 Q829 Q830 Q831	8-729-245-83 8-729-245-83 8-729-204-83 8-729-204-83 8-729-204-83	TRANS IS TOR TRANS IS TOR TRANS IS TOR TRANS IS TOR TRANS IS TOR	2SC 2458 2SA 1048G 2SA 1048G	iR		
2	IODÈ				Q832	8-729-204-83	TRANSISTOR		iR		
D801 8-719-102-7 D802 8-719-102-7	3 DIODE RD6.2	-N1 E-N1			Q833 Q834 Q835	8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458			
D806 8-719-102-7 D807 8-719-911-1	9 DIODE 1SS11	E-N1 9				RES	ISTOR_				
D808 8-719-911-1 D809 8-719-911-1		9 9			R801 R802	1-247-123-00 1-247-873-00		470 56K	5% 5%	1/4W 1/6W	
D814 8-719-911-1 D815 8-719-911-1 D816 8-719-911-1 D817 8-719-911-1	9 DIODE ISSII 9 DIODE ISSII	9 9 9			R803 R804 R805	1-247-873-00 1-247-115-00 1-247-879-00	CARBON CARBON	56K 220 100K	5% 5% 5%	1/6W 1/4W 1/6W	-
D818 8-719-102-7		Ě-N1			R806 R807	1-247-873-00 1-247-873-00		56K 56K	5% 5%	1/6W 1/6W	*
1	<u>c</u>				R808 R809	1-247-179-00 1-246-543-00		100K 820K	5% 5%	1/4W 1/4W	
IC801 8-759-240-5 IC802 8-759-240-5 IC803 8-759-900-0 IC804 8-759-140-5 IC805 8-759-240-5	2 IC TC4052BP 9 IC SN74LS09 3 IC UPD4053B	. , N C			R810 R811 R812 R813 R814	1-247-831-00 1-247-115-00 1-247-847-00 1-247-869-00 1-247-847-00	CARBON CARBON CARBON	1K 220 4. 7K 39K 4. 7K	5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/6W	
IC806 8-759-900-0 IC807 8-759-145-5		N			R815	1-247-855-00		10K	5%	1/6W	
<u>c</u>	OIL				R816 R818 R819	1-247-855-00 1-247-131-00 1-247-131-00	CARBON CARBON	10K 1K 1K	5% 5% 5%	1/6W 1/4W 1/4W	
L801 1-408-235-0 L802 1-408-417-0	O MICRO INDUC	TOR 47UH			R820 R821	1-247-901-00 1-247-869-00	CARBON CARBON	820K 39K	5% 5%	1/6W 1/6W	
]	RANSISTOR				R822 R823	1-247-115-00 1-247-107-00		220 100	5% 5%	1/4W 1/4W	
0803 8-729-204-8 0804 8-729-204-8		2SA1048GR 2SA1048GR			R824 R825 R827	1-247-117-00	CARBON CARBON	270 220	5% 5% 5%	1/4W 1/6W 1/6W	
Q806 8-729-245-8					R828 R829	1-247-893-00 1-246-507-00	CARBON CARBON	390K 27K	5% 5%	1/6W 1/4W	
Q807 8-729-245-8 Q812 8-729-245-8 Q813 8-729-245-8	TRANSISTOR :	2SC 2458 2SC 2458			R830 R831 R832	1-246-507-00 1-246-507-00 1-246-507-00	CARBON CARBON CARBON	27K 27K 27K	5% 5% 5%	1/4W 1/4W 1/4W	
Q814 8-729-245-8 Q815 8-729-245-8					R833 R834	1-246-507-00 1-247-865-00	CARBON CARBON	27K 27K	5% 5%	1/4W 1/6W	
Q816 8-729-245-8	3 TRANSISTOR	2SC 2458		'							



f.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Rema
			0001							1011	F~	1 (0)	
835	1-247-893-00	CARBON	390K	5%	1/6W		R897	1-247-855-00	CARBON	10K	5%	1/6W	
837	1-246-463-25	CARBON	390	5%	1/4W		R898	1-247-855-00	CARBON	10K	5%	1/6W	
838	1-247-895-00	CARBON	470K	5%	1/6W		R899	1-247-115-00	CARBON	220	5%	1/4W	
839	1-246-537-00	CARBON	470K	5%	1/4W		R900	1-247-107-00	CARBON	100	5%	1/4W	
840	1-247-104-00	CARBON	75	5%	1/4W		R901	1-247-131-00	CARBON	1K	5%	1/4W	
841	1-247-149-00	CARBON	5. 6K	5%	1/4W		R902	1-247-131-00	CARBON	1K	5%	1/4W	
842	1-247-149-00	CARBON	5. 6K	5%	1/4W		R903	1-247-105-00	CARBON	82	5%	1/4W	
843	1-247-155-00	CARBON	10K	5%	1/4W		R904	1-247-105-00	CARBON	82	5%	1/4W	
844	1-247-155-00	CARBON	10K	5%	1/4W		R905	1-247-105-00	CARBON	82	5%	1/4W	
845	1-247-895-00	CARBON	470K	5%	1/6W		R906	1-247-105-00	CARBON	82	5%	1/4W	
846	1-247-104-00	CARBON	75	5%	1/4W		R908	1-247-861-00	CARBON	18K	5%	1/6W	
847	1-246-507-00	CARBON	27K	5%	1/4W		R909	1-247-867-00	CARBON	33K	5%	1/6W	
848	1-246-507-00	CARBON	27K	5%	1/4W		R910	1-247-861-00	CARBON	18K	5%	1/6W	
849	1-247-131-00	CARBON	1K	5%	1/4W		R911	1-247-879-00	CARBON	100K	5%	1/6W	
850	1-247-131-00	CARBON	1K	5%	1/4W		R912	1-247-879-00	CARBON	100K	5%	1/6W	
851	1-247-155-00	CARBON	10K	5%	1/4W		R913	1-247-847-00	CARBON	4.7K	5%	1/6W	
	1-247-863-00	CARBON	22K	5%	1/6W		R914	1-247-847-00	CARBON	4. 7K	5%	1/6W	
852 853	1-246-463-00	CARBON	390	5%	1/4W		R915	1-247-823-00	CARBON	470	5%	1/6W	
		CARBON	75	5%	1/4W		R916	1-247-823-00	CARBON	470	5%	1/6W	
854 855	1-247-104-00 1-247-147-00	CARBON	4.7K	5%	1/4W		R917	1-247-827-00	CARBON	680	5%	1/6W	
			114	r _e	2 /41/		2010	1 047 005 00	O S D D ON	3 54	C-01	1.01	
856	1-247-131-00	CARBON	1K	5%	1/4W		R918	1-247-835-00	CARBON	1.5K	5%	1/6W	
857	1-246-503-25	CARBON	18K	5%	1/4W		R919	1-247-855-00	CARBON	10K	5%	1/6W	
858	1-247-877-00	CARBON	82K	5%	1/6W		R921	1-247-831-00	CARBON	1K	5%	1/6W	
859	1-247-831-00	CARBON	1K	5%	1/6W		R922	1-247-131-00	CARBON	1K	5%	1/4W	
860	1-247-115-00	CARBON	220	5%	1/4W	*	R923	1-247-871-00	CARBON	47K	5%	1/6W	
861	1-247-147-00	CARBON	4.7K	5%	1/4W		R924	1-247-871-00	CARBON	47K	5%	1/6W	
1862	1-247-831-00	CARBON	1K	5%	1/6W		R925	1-247-893-00	CARBON	390K	5%	1/6W	
863	1-247-835-00	CARBON	1.5K	5%	1/6W		R926	1-247-855-00	CARBON	10K	5%	1/6W	
864	1-247-115-00	CARBON	220	5%	1/4W		R928	1-247-831-00	CARBON	1K	5%	1/6W	
865	1-247-115-00	CARBON	220	5%	1/4W		R929	1-247-131-00	CARBON	1K	5%	1/4W	
866	1-247-835-00	CARBON	1.5K	5%	1/6W		R930	1-247-131-00	CARBON	1K	5%	1/4W	
867	1-247-835-00	CARBON	1.5K	5%	1/6W		R931	1-247-131-00	CARBON	1K	5%	1/4W	
	1-247-831-00	CARBON	1K	5%	1/6W		R932	1-247-879-00	CARBON	100K	5%	1/6W	
868	1-247-115-00	CARBON	220	5%	1/4W		R934	1-247-879-00	CARBON	100K	5%	1/6W	
869 870	1-247-115-00	CARBON	220	5%	1/4W		R938	1-246-485-25	CARBON	3. 3K	5%	1/4W	
070	1 247 115 00	CARBON	220	Eø/	2 (4)		R939	1 247 027 00	CARBON	1 OV	5%	1/6W	
872	1-247-115-00	CARBON	220 220	5% 5%	1/4W 1/4W		R940	1-247-837-00 1-247-879-00	CARBON	1.8K 100K	5%	1/6W	
873	1-247-115-00		470		1/4W 1/6W		R941	1-247-131-00	CARBON	100K	5%	1/4W	
874	1-247-823-00	CARBON		5%									
875	1-247-157-00	CARBON	12K	5%	1/4W		R942	1-247-104-00	CARBON	75	5%	1/4W	
876	1-247-829-00	CARBON	820	5%	1/6W		R943	1-247-104-00	CARBON	75	5%	1/4W	
879	1-247-823-00	CARBON	470	5%	1/6W		R944	1-247-104-00	CARBON	75	5%	1/4W	
881	1-247-887-00	CARBON	220K	5%	1/6W		R947	1-247-131-00	CARBON	1K	5%	1/4W	
882	1-247-887-00	CARBON	220K	5%	1/6W		R949	1-247-131-00	CARBON	1K	5%	1/4W	
883	1-247-855-00	CARBON	10K	5%	1/6W		R950	1-247-131-00	CARBON	1K	5%	1/4W	
884	1-247-855-00	CARBON	10K	5%	1/6W		R951	1-246-463-25	CARBON	390	5%	1/4W	
885	1-247-863-00	CARBON	22K	5%	1/6W		R952	1-246-463-25	CARBON	390	5%	1/4W	
886	1-247-163-00	CARBON	22K	5%	1/4W		R955	1-246-535-00	CARBON	390K	5%	1/4W	
887	1-247-863-00	CARBON	22K	5%	1/6W		R956	1-246-485-25	CARBON	3. 3K	5%	1/4W	
888		CARBON	22K	5%	1/6W		R957	1-247-815-00	CARBON	220	5%	1/6W	
889	1-247-831-00	CARBON	1K	5%	1/6W		R958	1-246-485-25	CARBON	3. 3K	5%	1/4W	
891	1-247-103-00	CARBON	68	5%	1/4W		R959	1-247-815-00	CARBON	220	5%	1/6W	
031							i						
895	1-247-155-00	CARBON	10K	5%	1/4W		1						





Ref.No. Part No.	Description	Rei	mark Ref.No	Part No.	Description			Remark
RV801 1-228-848-0	RIABLE RESISTOR O RES, VAR, CARBON 10K O RES, VAR, CARBON 10K		C1125 C1126 C1127	1-123-380-00 1-123-332-00 1-123-380-00 1-123-356-00 1-106-176-00	ELECT ELECT ELECT	1MF 47MF 1MF 10MF 0.0015MF	20% 20% 20% 20% 10%	50V 16V 50V 16V 100V
S801 1-553-651-0	VITCH O SWITCH, SLIDE O SWITCH, SLIDE		C1130 C1131 C1132	1-106-176-00 1-123-380-00 1-131-345-00 1-123-356-00	ELECT TANTALUM ELECT	0.0015MF 1MF 0.47MF 10MF	10% 20% 10% 20%	100V 50V 35V 16V
<u>c</u>	ONNEC TOR		C1133	1-123-318-00	ELECT	33MF	20%	16V
U1 *1-564-443-1 U2 *1-564-444-1 U3 *1-564-452-4 U4 *1-564-440-1 U5 *1-564-440-1	L PLUG, CONNECTOR (2.5 L PLUG, CONNECTOR (2.5 L PLUG, CONNECTOR (2.5	1M) 8P 1M) 4P 1M) 4P	C1135 C1136 C1137		ELECT ELECT ELECT	0.015MF 470MF 47MF 47MF 220MF	5% 20% 20% 20% 20%	100V 16V 16V 16V 10V
U6 *1-564-441-1 U7 *1-564-442-1 U8 *1-564-442-1 U9 *1-564-453-1 U10 *1-564-353-0	PLUG, CONNECTOR (2.5 PLUG, CONNECTOR (2.5 PLUG, CONNECTOR (2.5	1M) 6P 1M) 6P 1M) 5P	C1151 C1152	1-123-381-00 1-123-381-00 1-123-369-00 1-123-369-00 1-102-074-00	ELECT ELECT ELECT	2. 2MF 2. 2MF 4. 7MF 4. 7MF 0. 001MF	20% 20% 20% 20% 10%	50V 50V 25V 25V 50V
U13 *1-564-353-0	PLUG, CONNECTOR (2.5) PLUG, CONNECTOR (2.5	4M) -2P	C1155 C1156 ***** C1157	1-102-074-00 1-102-074-00 1-102-074-00 1-123-323-00 1-106-212-00	CERAMIC CERAMIC ELECT	0.001MF 0.001MF 0.001MF 470MF 0.047MF	10% 10% 10% 20% 10%	50V 50V 50V 16V 100V
*A-1386-014-	X BOARD, COMPLETE		C1161	1-106-172-00 1-106-172-00 1-106-172-00	MYLAR	0.001MF 0.001MF	10%	100V 100V 100V
4-309-378-0	O SPACER			1-106-212-00 1-123-356-00	MYLAR ELECT	0.047MF 10MF	10% 20%	100V 16V
Ē	APACITOR			1-123-380-00	ELECT	1MF	20%	50V
C1101 1-123-318-0 C1102 1-123-356-0 C1103 1-123-318-0 C1104 1-123-356-0 C1105 1-102-074-0	D ELECT 10MF D ELECT 33MF D ELECT 10MF	20% 16V 20% 16V 20% 16V 20% 16V 10% 50V	C1167 C1168 C1169	1-102-824-00 1-123-380-00 1-102-824-00 1-123-356-00 1-123-360-00	ELECT CERAMIC ELECT	470PF 1MF 470PF 10MF 100MF	5% 20% 5% 20% 20%	50V 50V 50V 16V 50V
C1106 1-123-356-0 C1107 1-123-356-0 C1108 1-102-074-0 C1109 1-106-196-0 C1110 1-123-380-0	O ELECT 10MF O CERAMIC 0.001MF O MYLAR 0.01MF	20% 16V 20% 16V 10% 50V 10% 1000 20% 50V	C1172 C1174 V C1175	1-124-607-11 1-123-346-00 1-106-208-00 1-123-364-00 1-123-359-00	ELECT MYLAR ELECT	2200MF 220MF 0.033MF 1000MF 47MF	20% 20% 10% 20% 20%	50V 35V 100V 50V 35V
C1111 1-106-212-0 C1112 1-106-196-0 C1113 1-123-382-0 C1114 1-123-380-0 C1115 1-130-275-0	O MYLAR 0.01MF O ELECT 3.3MF O ELECT 1MF	10% 1000 10% 1000 20% 50V 20% 50V 50V 50V	V C1178 C1179 C1180	1-106-212-00 1-106-212-00 1-123-359-00 1-123-364-00 1-106-208-00	MYLAR ELECT ELECT	0.047MF 0.047MF 47MF 1000MF 0.033MF	10% 10% 20% 20% 10%	100V 100V 35V 50V 100V
C1116 1-123-380-0 C1117 1-123-380-0 C1118 1-123-321-0 C1119 1-106-172-0 C1120 1-106-188-0	0 ELECT 1MF 0 ELECT 220MF 0 MYLAR 0.001MF		C1185 C1186	1-123-356-00 1-123-380-00	ELECT ELECT ELECT	220MF 10MF 1MF 1MF 1MF	20% 20% 20% 20% 20%	35V 16V 50V 50V 50V
C1121 1-102-112-0 C1122 1-123-369-0 C1123 1-123-380-0	O ELECT 4.7MF	10% 50V 20% 25V 20% 50V		1-123-380-00 1-102-074-00 1-123-333-00	CERAMIC	1MF 0.001MF 100MF	20% 10% 20%	50V 50V 16V



Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description	<u>n</u>			Remark
C1200 1-130-281-00 C1201 1-131-343-00	TANTALUM	0.0022MF 0.22MF	5% 10%	100V 35V	Q1106 Q1107	8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458			
C1202 1-131-343-00 C1203 1-130-281-00 C1204 1-131-345-00	TANTALUM	0.22MF 0.0022MF	10% 5%	35V 100V		8-729-204-83 8-729-245-83	TRANSISTOR TRANSISTOR		R		
C1204 1-131-345-00	TANTALUM	0. 47MF	10%	35V		8-729-245-83	TRANSISTOR				
C1205 1-130-309-00		0.033MF	5%	100V		8-729-204-83	TRANS IS TOR				
C1206 1-130-285-00 C1207 1-130-285-00		0.0033MF 0.0033MF	5% 5%	100V 100V	Q1112 Q1113	8-729-204-83 8-729-245-83	TRANSISTOR TRANSISTOR		R		
C1208 1-130-285-00 C1209 1-130-285-00	FILM	0.0033MF 0.0033MF	5% 5%	100V 100V	Q1114	8-729-245-83	TRANS IS TOR	2SC 2458			
			-			8-729-245-83	TRANSISTOR			,	
C1210 1-131-3/1-00 C1211 1-123-332-00	ELECT	47MF	10% 20%	16V 16V	Q1117	8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR				
C1212 1-102-125-00 C1213 1-130-297-00	CERAMIC FILM	0.0047MF	10% 5%	50V 100V		8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR				
C1210 1-131-371-00 C1211 1-123-332-00 C1212 1-102-125-00 C1213 1-130-297-00 C1214 1-123-586-00	ELECT	0. 1MF	20%	50V		8-729-245-83	TRANSISTOR				
C1215 1-123-380-00	ELECT	1MF	20%	50V			TRANSISTOR				
C1216 1-130-281-00 C1217 1-123-380-00		0.0022MF 1MF	20%	100V 50V		8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR				
C1218 1-123-380-00 C1219 1-123-382-00		1MF 3. 3MF	20% 20%	50V 50V	01124	8-729-245-83	TRANSISTOR				
						RES	ISTOR				
C1220 1-123-356-00 C1221 1-102-125-00	CERAMIC	10MF 0.0047MF	20% 10%	16V 50V		1-247-831-00	CARBON	1K	5%	1/6W	
C1222 1-123-380-00 C1223 1-131-368-00		1MF 3.3MF	20% 10%	50V 16V	R1102 R1103	1-247-831-00 1-247-867-00	CARBON CARBON	1K 1K 33K	5% 5%	1/6W 1/6W	
C1224 1-123-369-00			20%	50V	R1104	1-247-819-00	CARBON CARBON	330 1.8K	5% 5%	1/6W 1/6W	
C1225 1-123-356-00	ELECT	10MF	20%	16V							
DIC	ODE				R1107	1-247-847-00 1-247-867-00	CARBON	4.7K 33K	5%	1/6W 1/6W	
D1101 8-719-911-19	DIODE 1SS119	1			R1108	1-247-851-00 1-247-859-00		6.8K 15K	5% 5%	1/6W 1/6W	
D1102 8-719-911-19 D1103 8-719-911-19					R1110	1-247-859-00	CARBON	15K	5%	1/6W	
D1104 8-719-911-19	DIODE 1SS119				R1111		CARBON	5. 6K	5%	1/6W	
D1105 8-719-102-74	DIODE RD6.2E	-NZ			R1112 R1113	1-247-859-00 1-247-839-00	CARBON CARBON	15K 2.2K	5% 5%	1/6W 1/6W	
D1106 8-719-102-74	DIODE RD6.2E	-N2				1-247-881-00 1-247-863-00	CARBON CARBON	120K 22K	5% 5%	1/6W 1/6W	
IC										1/6W	
IC1101 8-759-800-18		•			R1117	1-247-853-00	CARBON CARBON	47K 8. 2K	5% 5%	1/6W	
IC1102 8-759-271-33 IC1103 8-759-145-58						1-247-866-00 1-247-847-00	CARBON CARBON	30K 4. 7K	5% 5%	1/6W 1/6W	
IC1104 8-759-140-66 IC1105 8-759-400-88	IC UPD4066BC					1-247-891-00	CARBON	330K	5%	1/6W	
						1-247-879-00		100K	5%	1/6W	
IC1106 8-759-140-66 IC1107 8-759-907-16	IC CX10026					1-247-839-00 1-247-831-00	CARBON CARBON	2.2K 1K	5% 5%	1/6W 1/6W	
IC1108 8-749-943-62 IC1109 8-759-145-58	IC STK-4362					1+247-857-00 1-247-855-00		1 <i>2</i> K 10K	5% 5%	1/6W 1/6W	
	ANS ISTOR				(
					R1126 R1127		CARBON	10K 100K	5% 5%	1/6W 1/6W	
Q1101 8-729-245-83 Q1102 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2	SC2458 SC2458					METAL METAL	3.3K 3.3K	1% 1%	1/6W 1/6W	
01103 8-729-245-83 01104 8-729-204-83	TRANSISTOR 2	SC2458 SA1048GP				1-247-879-00		100K	5%	1/6W	
Q1105 8-729-245-83	TRANSISTOR 2	SC2458				1-247-827-00		680	5%	1/6W	
					R1133	1-247-855-00	CARBON	10K	5%	1/6W	



Ref.No. Part No.	Description	•			Remark	Ref.No.	Part No.	Description				Remark
R1134 1-247-855-00 R1135 1-247-843-00 R1136 1-247-803-00 R1137 1-247-835-00 R1138 1-247-819-00	CARBON CARBON CARBON CARBON CARBON	10K 3.3K 68 1.5K 330	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1190 R1191 R1192 R1193 R1194	1-247-811-00 1-247-823-00 1-247-855-00 1-247-855-00 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	150 470 10K 10K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1139 1-247-861-00 R1140 1-247-851-00 R1141 1-247-871-00 R1142 1-247-871-00 R1143 1-247-871-00	CARBON CARBON CARBON CARBON CARBON	18K 6.8K 47K 47K 47K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1195 R1196 R1197 R1199 R1200	1-247-879-00 1-247-879-00 1-247-855-00 1-247-879-00 1-247-879-00	CARBON CARBON CARBON CARBON CARBON	100K 100K 10K 100K 100K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1144 1-247-843-00 R1145 1-246-485-25: R1146 1-247-851-00 R1147 1-247-861-00 R1148 1-247-847-00	CARBON CARBON CARBON CARBON CARBON	3.3K 3.3K 6.8K 18K 4.7K	5% 5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/6W		R1203 R1204 R1205 R1206 R1207	1-247-831-00 1-247-831-00 1-247-831-00 1-247-831-00 1-247-831-00	CARBON CARBON CARBON CARBON CARBON	1K 1K 1K 1K 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1149 1-247-863-00 R1150 1-215-486-00 R1151 1-214-785-00 R1152 1-215-469-00 R1153 1-214-777-00	ME TAL ME TAL	22K 510K 220K 100K 100K	5% 1% 1% 1% 1%	1/6W 1/6W 1/4W 1/6W 1/4W			1-247-865-00 1-247-847-00 1-247-879-00 1-247-847-00 1-247-831-00	CARBON CARBON CARBON CARBON CARBON	27K 4.7K 100K 4.7K 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1154 1-214-785-00 R1155 1-215-493-00 R1156 1-215-493-00 R1157 1-246-529-00 R1158 1-247-879-00	METAL CARBON	220K 1M 1M 220K 100K	1% 1% 1% 5% 5%	1/4W 1/6W 1/6W 1/4W 1/6W		R1214 R1215 R1216 R1217 R1218	1-247-879-00 1-247-881-00 1-247-893-00 1-211-427-00 1-247-825-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	100K 120K 390K 100 560	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/8W 1/6W	F
R1159 1-247-886-00 R1160 1-247-115-00 R1161 1-247-863-00 R1162 1-247-847-00 R1163 1-247-851-00	CARBON CARBON	200K 220 22K 4.7K 6.8K	5% 5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/6W		R1220 R1221 R1222 R1223 R1224	1-247-859-00 1-247-861-00 1-211-401-00 1-211-401-00 1-247-831-00	CARBON CARBON CARBON CARBON CARBON	15K 18K 4.7 4.7 1K	5% 5% 5% 5% 5%		F F
R1164 1-247-861-00 R1165 1-247-848-00 R1166 1-247-835-00 R1167 1-247-833-00 R1168 1-247-847-00	CARBON CARBON CARBON	18K 5.1K 1.5K 1.2K 4.7K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1225 R1226 R1227 R1229 R1230	1-246-503-25 1-247-859-00 1-247-831-00 1-247-825-00 1-247-879-00	CARBON CARBON CARBON CARBON CARBON	18K 15K 1K 560 100K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	
R1170 1-247-849-00 R1171 1-247-777-00 R1172 1-247-823-00 R1173 1-247-841-00 R1174 1-247-829-00	CARBON CARBON CARBON	5. 6K 5. 6 470 2. 7K 820	5% 5% 5% 5% 5%	1/6W 1/8W 1/6W 1/6W 1/6W	F	R1231 R1232 R1233 R1234 R1237	1-247-831-00 1-247-831-00 1-247-831-00 1-247-831-00 1-247-879-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	1K 1K 1K 1K 1OOK	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1175 1-247-839-00 R1176 1-247-815-00 R1177 1-247-863-00 R1180 1-247-855-00 R1181 1-247-847-00	CARBON CARBON CARBON	2.2K 220 22K 10K 4.7K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	1	R1241 R1243 R1245 R1246 R1247	1-247-855-00 1-247-862-00 1-247-867-00 1-247-843-00 1-247-885-00	CARBON CARBON CARBON CARBON CARBON	10K 20K 33K 3.3K 180K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1182 1-247-838-00 R1183 1-247-838-00 R1184 1-247-829-00 R1185 1-247-829-00 R1186 1-247-838-00	CARBON CARBON CARBON	2K 2K 820 820 2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1248 R1249 R1250 R1251 R1252	1-247-885-00 1-247-847-00 1-247-847-00 1-247-863-00 1-247-843-00	C ARB ON C ARB ON C ARB ON C ARB ON C ARB ON	180K 4.7K 4.7K 22K 3.3K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1187 1-247-879-00 R1188 1-247-855-00 R1189 1-247-855-00	CARBON	100K 10K 10K	5% 5% 5%	1/6W 1/6W 1/6W		R1253 R1254 R1255	1-247-865-00 1-247-847-00 1-247-847-00	CARBON CARBON CARBON	27K 4. 7K 4. 7K	5% 5% 5%	1/6W 1/6W 1/6W	







Def No Dewt No	Description		Remark	Ref.No.	Part No.	Description	Remark					
Ref.No. Part No.		5% 1/6W	Kemar K	KETTIO	DIO	*************************************						
R1256 1-247-843-00 R1257 1-247-811-00	CARBON 150	5% 1/6W		01701	8-719-911-19	A SALES						
R1258 1-247-843-00 R1259 1-247-869-00	CARBON 39K	5% 1/6W 5% 1/6W		01/01								
R1260 1-247-893-00		5% 1/6W		1 1 701	<u>COI</u>							
R1261 1-247-885-00 R1262 1-247-844-00		5% 1/6W 5% 1/6W		11/01		MICRO INDUCTOR 10MMH						
R1263 1-247-893-00 R1288 1-247-848-00		5% 1/6W 5% 1/6W				NS ISTOR						
R1289 1-247-885-00		5% 1/6W				TRANSISTOR 2SC2458 TRANSISTOR 2SA1048GR						
R1290 1-247-811-00 R1291 1-247-843-00		5% 1/6W 5% 1/6W	•		RES	SISTOR	* *:					
R1292 1-247-831-00 R1293 1-247-844-00	CARBON 1K	5% 1/6W 5% 1/6W		R1701	1-247-839-00	CARBON 2.2K 59	% 1/6W					
R1294 1-247-887-00		5% 1/6W		R1702	1-247-855-00 1-247-847-00	CARBON 10K 5%	6 1/6W					
R1295 1-215-421-00	METAL 1K	1% 1/6W		1,700		NECTÓR						
VA	RIABLE RESISTOR			VA 1			A) AP					
RV1101 1-228-724-00	RES, ADJ, CERAMIC CA	RBON 10K		XA1 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P								
RV1103 1-228-720-00 RV1104 1-228-722-00	RES, ADJ, CERAMIC CA RES, ADJ, CERAMIC CA RES, ADJ, CERAMIC CA RES, ADJ, CERAMIC CA	ARBON 1K ARBON 3.3K			*1-613-413-11							
RV1107 1-228-721-00	RES, ADJ, CERAMIC CA	RBON 2.2K			JAC	<u>CK</u>						
RV1108 1-228-721-00 RV1109 1-228-725-00	RES, ADJ, CERAMIC CA RES, ADJ, CERAMIC CA RES, ADJ, CERAMIC CA	ARBON 2.2K ARBON 22K		J001 J002 J003	1-507-806-00 1-507-940-21 1-507-940-21	JACK, AV						
TR	ANSF ORMER			0000		SISTOR						
T1101 1-235-386-11	FILTER, BAND PASS			R001	1-244-851-51		% 1/2W					
	FILTER, LOW PASS (L.	P.F)		R002	1-244-851-51							
T1104 1-231-726-00 T1105 1-231-726-00					CON	NNECTOR						
CO	NNECTOR	•				PLUG, CONNECTOR (2.5M						
X1 *1-564-353-00	PLUG, CONNECTOR (2.5	5MM) 2P		Z3	*1-564-440-11	PLUG, CONNECTOR (2.5M) PLUG, CONNECTOR (2.5M)	M) 4P					
X3 *1-508-765-00				1		PLUG, CONNECTOR (2.5MI						
	PLUG, CONNECTOR (2.5 PLUG, CONNECTOR (2.5			*****	******	*******	******					
	PLUG, CONNECTOR (2.5	5MM) 7P				SCELLANEOUS *********						
	PLUG, CONNECTOR (2.5			A	X-1-230-212-11	RESISTOR ASSY, HIGH-V	ÖLTÄGE					
******	******	******	******	* 8	1.1-417-125-11	SELECTOR, ANTÉNNA DEFLECTION YOKE (SY-I						
*1-614-651-11	XA BOARD ******			1-452-032-00 MAGNET, DISK; 10MM Ø 1-452-094-00 MAGNET, ROTATABLE DISK; 15MM Ø								
CA	PACITOR				1-452-146-21 4-1-452-315-21	MAGNET, BMC CRT NECK ASSY (NA303)						
C1701 1-102-117-00 C1702 1-102-116-00	CERAMIC 820PF CERAMIC 680PF	10% 10%	50V 50V		*1-557-056-00	CABLE, P-P CORD, POWER						
C1702 1-102-110-00 C1703 1-123-356-00 C1704 1-123-356-00	ELECT 10MF	20% 20%	16V 16V			COIL, DEGAUSSING						
C1/04 1-123-330-00	LLEGI IONF	20%	101	I Page 4	W.T. 740 000 01	Wate, Sem Garina						

Anna Tar

 Ref.No.
 Part No.
 Description
 Remark

 L907 A.1-426-059-31
 COIL, DEGAUSSING 360.02

 T901 A.1-439-339-12
 TRANSFORMER ASSY, FLYBACK

 V901 A.8-736-651-05
 CRT (A64JRJ10X) 16.0

ACCESSORIES AND PACKING MATERIALS

		•
Part No.	Description	Remark
A-1470-681-A 1-513-379-00 4-337-844-00 4-374-194-01 4-374-195-01	COMMANDER ASSY(RM-724) CONVERTER (EAC-25) BAG, PROTECTION CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY)	
4-374-402-01 4-482-023-21 4-491-213-22		
4-374-321-01 4-374-324-01	INDIVIDUAL CARTON (FOR BEIGE) INDIVIDUAL CARTON (FOR PLUM)	

RM-724

SERVICE MANUAL



December, 1984

SPECIFICATIONS

Power requirements 3 V dc

Battery size AA x 2

(IEC Battery Designation R6)

Dimensions

Approx. $55 \times 20 \times 175 \text{ mm (w/h/d)}$

 $(2^{1}/_{8} \times {7}/_{8} \times 6^{7}/_{8} \text{ inches})$

Weight

Approx. 130 g (4.6 oz)

incl. batteries

Accessories supplied

Battery size AA (2 pcs.)

Design and specifications subject to change without notice.

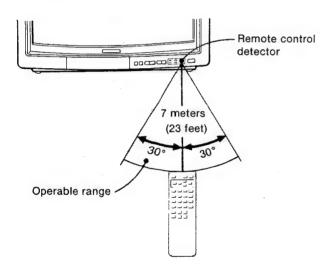


REMOTE COMMANDER

- 1 Turn the Remote Commander face down, press the tab and lift the cover.
- 2 Place batteries in the Commander with the polarities in the correct directions, as illustrated inside the case.
- 3 Replace the cover.

Notes

- Use 2 size AA batteries (IEC designation R6).
- In normal operation, batteries will last up to half a year. If the set does not operate properly, the batteries might be exhausted. Replace all with new ones.
- To avoid damage from possible battery leakage, remove the batteries for extended unused periods.
- Be sure that there are no obstructions between the Commander and the TV.
- Operable range is limited.

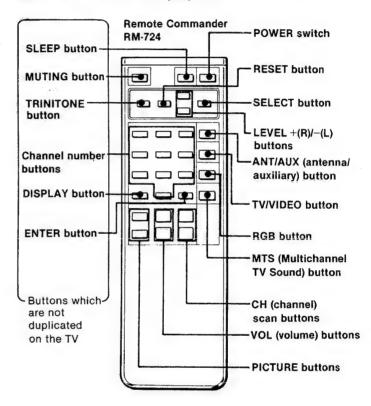


OPERATION

VIEWING TV PROGRAMS

This TV set is capable of receiving normal VHF and UHF broadcasts plus cable TV channels. (See "Cable TV channel chart" below.)

Usually the Remote Commander is all that is needed to operate the TV set in everyday use.

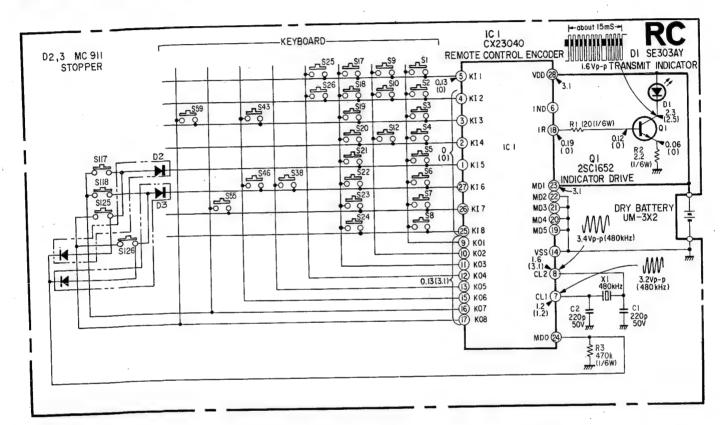


2 3 5 6 Α MOUNTING DIAGRAMS - Conductor Side -В C D E CX23040 2SC1652 MC911 SE303AY SLR-932A F All capacitors are in μF unless otherwise noted. pF: $\mu \mu F$ G 50WV or less are not indicated except for electrolytics. All resistors are in ohms, 1/6W unless otherwise noted. $k\Omega = 1000\Omega, M\Omega = 1000k\Omega$ Voltages and waveform are for when 1 button is pressed. Voltages in () are taken with button not pressed. All voltages are in V. Н Voltages are dc with respect to ground unless otherwise Voltage variations may be noted due to normal production tolerances. - : B + bus. ı



3 9 10 11 12 13 14 15

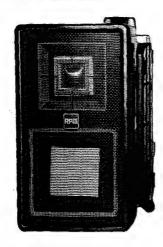
SCHEMATIC DIAGRAM

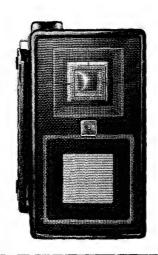


KEY MA	TRIX	TABLE						K0 4		(05		к06	Γ	ко 7	Т	к08	1	
		K01		K0 2	-	K0 3					S41	1100	549		S57		SJI7	LEVEL + (R)
111	SII	1	59	9	SI7	CH +	\$25	PICTURE +	\$33						-			LEVEL - (L)
KII	_		SIO	0	518	CH -	\$26	PICTURE -	S 34	1	S42		\$50		\$58			
K12	S2				\$19	VOL +	S27		S35		S43	ANT/AUX	551		S59	DISPLAY	S125	SELECT
KI3	53	3	SII				_				544		\$52		\$60		\$126	TRINITONE.
KI 4	54	4	512	ENTER	\$20	VOL —	528		\$36						561			
	-	E	\$13		\$21	MUTING	529		S37		S45		\$53		-		-	
KI5	S5.	3	+		522	POWER	\$30		\$38	TV/VIDEO	546	RGB	\$50		562			
K16	S6	6	\$14		+		_		539		S47		\$55	SLEEP	563			
KI7	S7	7	S 15		\$23	RESET	\$31						-		564		1	
KI 8	58	8	\$16		\$24	MTS	S32		\$40		\$48		\$56		304		J	

APM-X3U

SERVICE MANUAL





December, 1984

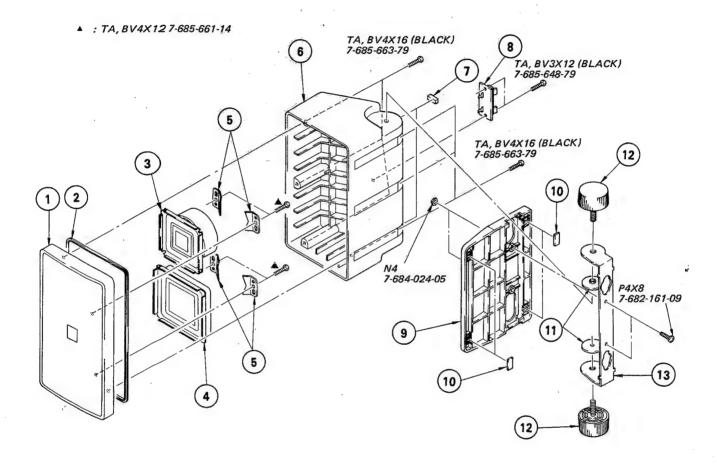
SPECIFICATIONS



EXPLODED VIEW

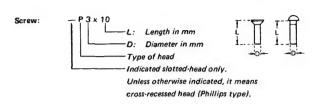
NOTE:

- NOTE:
 Items with no part number and no description are not stocked because they are seldom required for routine service.
 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1 2 3 4 5 6 7	*4-907-707-01 8-927-199-00 8-927-189-00 4-907-702-11 4-907-710-01	SPEAKER UNIT (060P001) HOLDER, SP	·	8 9 10 11 12 13	4-907-709-01 4-907-703-02 4-907-705-01 4-907-701-01	CUSHION, LEG	

HARDWARE NOMENCLATURE



Reference Shape		Description	Remarks								
SCREWS											
Р €∋		pan-head screw	binding-head (B) screw for replacement								
PWH	1	pan-head screw with washer face	binding-head (B) screw and flat washer for replacement								
PS PSP	8\$3-	pan-head screw with spring washer	binding-head (B) screw and spring washer for replace- ment								
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement								
R €		round-head screw	binding-head (B) screw for replacement								
K	Ð	flat-countersunk-head screw									
RK	€	oval-countersunk-head screw									
8	₽	binding-head screw									
т	F	truss-head screw	binding-head (B) screw for replacement								
F	83	flat-fillister-head screw									
RF	€3	fillister-head screw									
BV	(1)	braizer-head screw									

Nut, Wash	er, Retaining ring:
	N 3
	Diameter of usable screw or shaft
	Reference designation

Reference Designation	Shape	Description	Remarks
		SELF-TAPPING SCRE	ws
TA		self-tapping screw	ex: TA, P3 x 10
PTP		pan-head self-tapping screw	binding-head self- tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacemen
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacemen
		SET SCREWS	
sc	-	set screw	
SC	-@€⊒-	hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N	-[]-@-	nut	
		WASHERS	
W	0	flat washer	
SW		spring washer	
LW	0	internal-tooth lock washer	ex: LW3, internal
LW	0	external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
Ε	6	retaining ring	
G	0	grip-type retaining ring	

Sony Corporation TV Group

- 100 -

KV-25XBR

SONY. SERVICE MANUAL

US Model

Chassis No. SCC-595B-A May,1985

No. 1

SUPPLEMENT

SUBJECT: CIRCUIT MODIFICATIONS

File the supplement with the service manual.

TABLE OF CONTENTS

Se	ction	<u>Title</u>	Page
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	Schematic Diagrams		3
	Semiconductors		8
7.	ELECTRICAL PART	S LIST	18





SECTION 1 GENERAL

SET-UP

LISTENING TO MULTICHANNEL TV SOUND(MTS) BROADCASTS

In the years to come, an increasing number of programs will be broadcast in stereo. Called Multichannel TV Sound or MTS, the new technology will greatly enhance TV viewing by bringing you programs with high fidelity stereo sound. MTS also provides for an extra channel called the Second Audio Program or SAP which broadcasters can use to transmit a second language for bilingual transmissions or some other sound track.

To receive a stereo program

Normally set the AUTO STEREO selector to ON (depressed). In this position, the STEREO lamp on the TV will light up whenever a stereo broadcast is received. To listen to the stereo sound, select the MAIN mode with the MTS button so that the on-screen MAIN indicator appears. The stereo sound will be heard from the left and right speakers.

Every push on the MTS button changes the indicator below the channel number as follows:

When there is a SAP (Second Audio Program) broadcast Select the SAP mode so that the SAP indicator will be displayed and only the SAP sound will be heard from both speakers.

To listen to both MAIN and SAP broadcasts

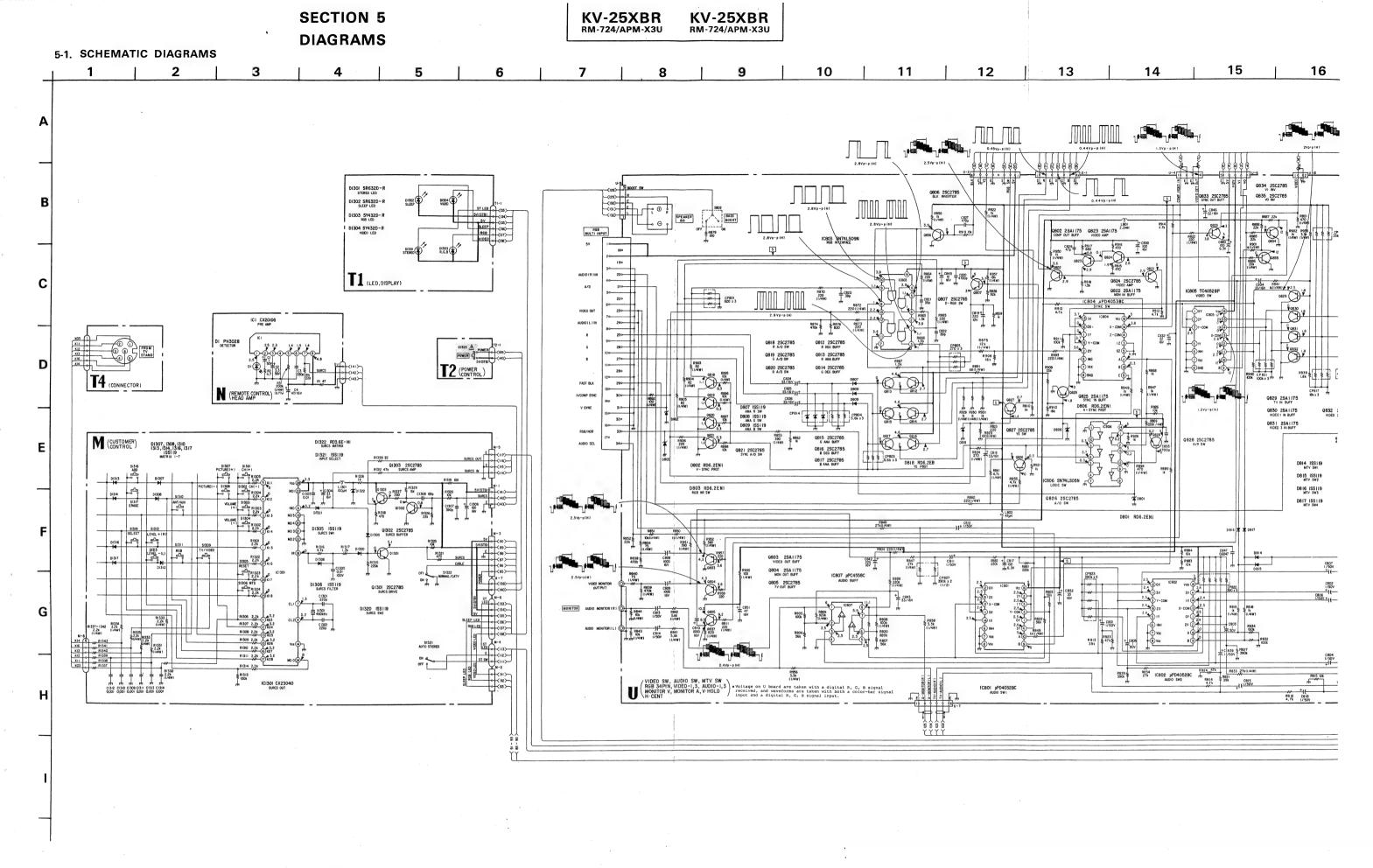
Select the BOTH mode so that the BOTH indicator is displayed. The MAIN and SAP sounds will come out from the left and right speakers respectively.

The MAIN sound becomes monaural(mixed) even if it is a stereo broadcast, as the sound comes only from the left speaker.

Notes

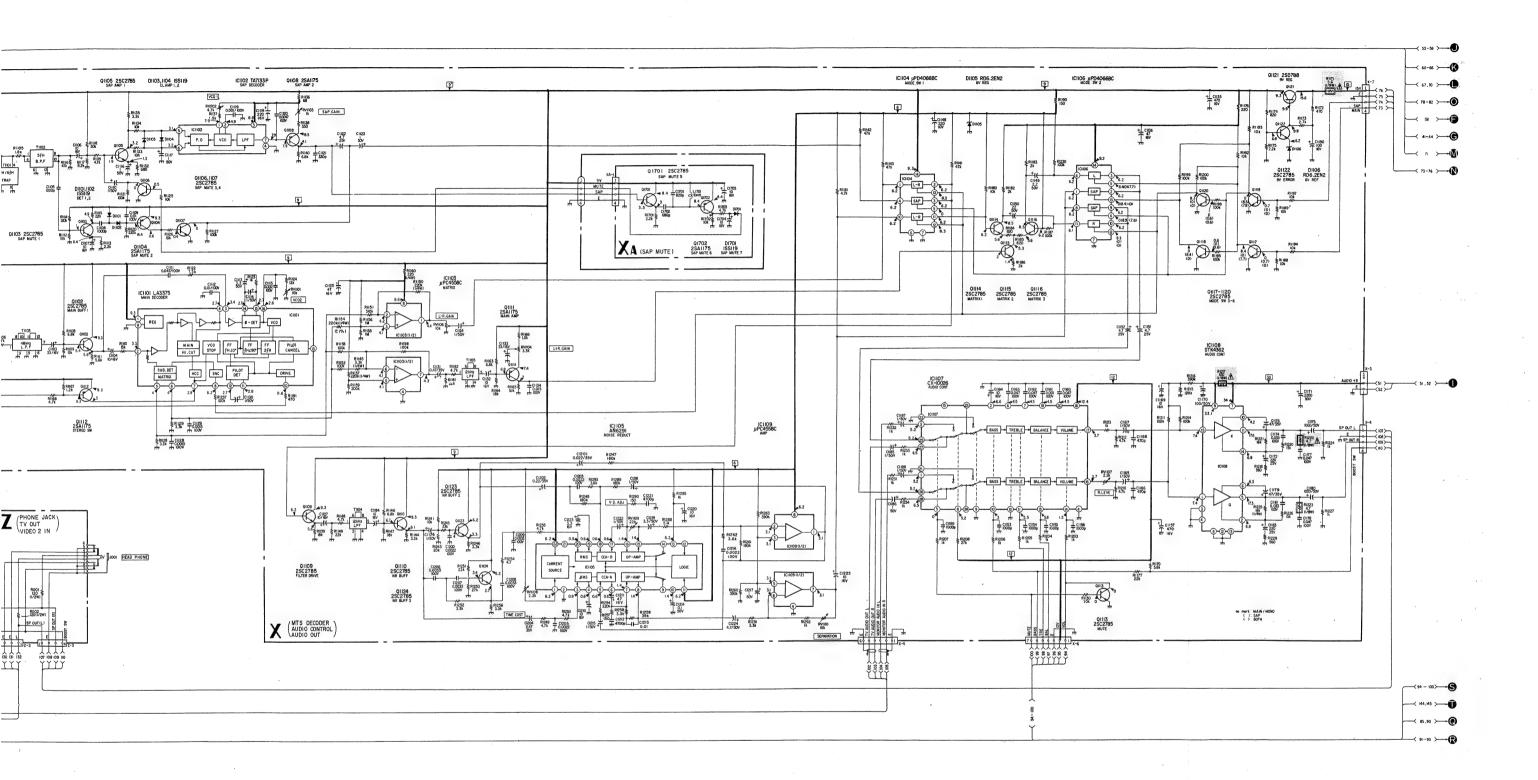
• The selected mode will be retained even after the power has once been turned off.

• There may be cases of stereo broadcasts where excessive "noise" will be heard due to a weak incoming signal. By switching the AUTO STEREO selector to OFF and returning to a monaural mode, the noise should be eliminated.



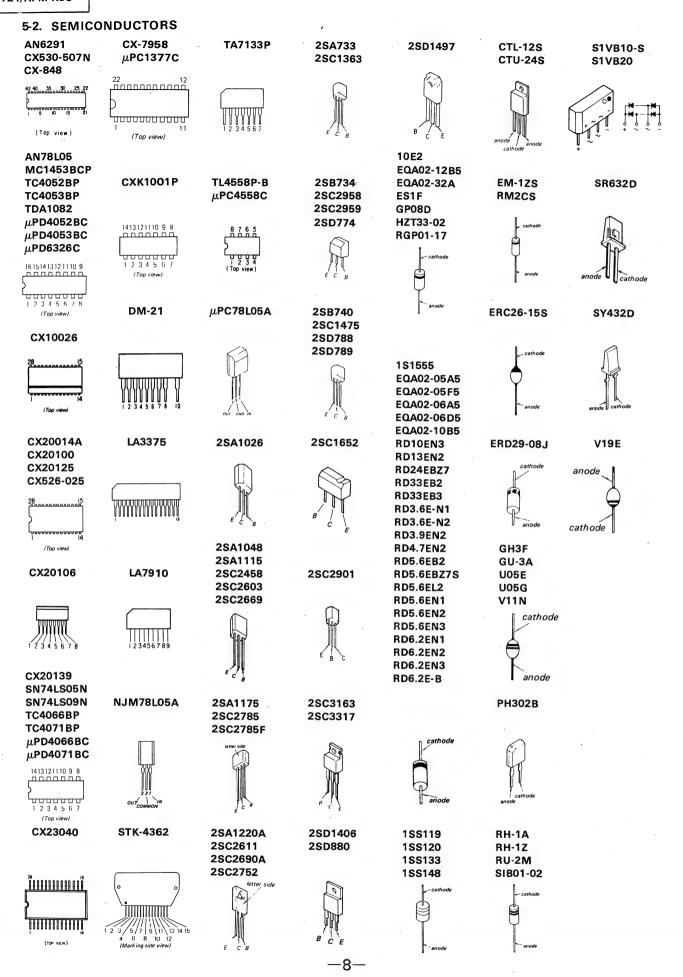
KV-25XBR RM-724/APM-X3U KV-25XBR RM-724/APM-X3U

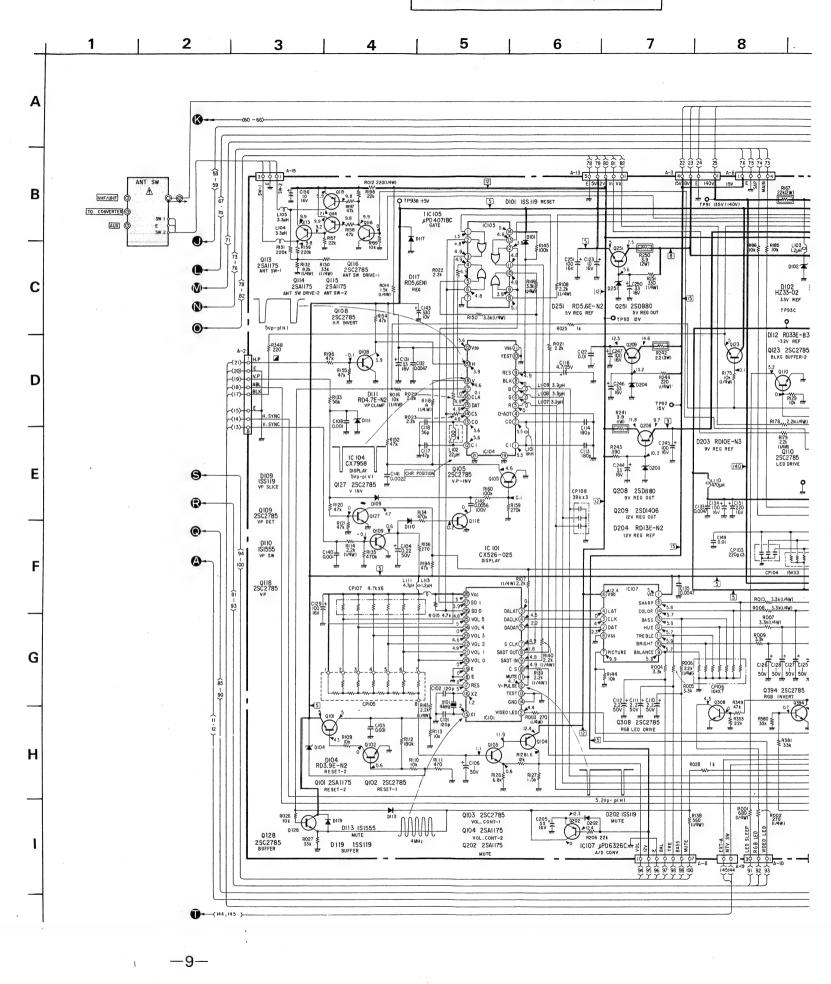
26 22 23 24 25 13 14 15 16 17 18 19 20 21 12 11 QIIOI 2SC2785 Q1105 25C2785 D1103,1104 ISS119 SAP AMP 1 CLAMP 1,2 Q834 2SC2785 Q806 2SC2785 BLK INVERTER RI140 T 330 0824 25C2785 VIDEO AMP 0824 2SC2785 VIDEO AMP 0822 2SA 1175 MON IN BUFF Q1103 2SC2785 SAP MUTE 1 Q1102 2SC 2785 MAIN BUFF! QIIII 2SA1175 MAIN AMP Q830 2SA1175 VIDEO I IN BUFF 9831 2SA1175 VIDED 3 IN BUFF SNC PILOT DET R845 R846 470k 75 (1/4W) Q828 2SC2785 N/R SW RIIGS 9.3 D814 ISS119 MTV SW1 D815 ISS119 MTV SW2 R855 4.7k QIII2 2SAII75 STEREO SW RII29 CII29 3.9 T0.0015 ICI 105 AÑ629I NOISE REDUCT D816 ISS119 MTV SW3 RH28 ______CH28 3.3k _______100015 R860 220(1/4W) D817 ISS | 19 MTV SW4 C12 0 1 R1247 0.022/35V 180k D801 RD6.2EN1 R817 ≥ 470 (I/4W) R848 27k((/4W) RI248 RI290 CI221 ISO 4700p MTS DECODER
AUDIO CONTROL NV. R834 IC802 µP04052BC R924 47k R833 27k1/34
27s Audio Sw2 R816 8821 8821 C815 47k (1/50) R812 C816 4.7k 1/50V



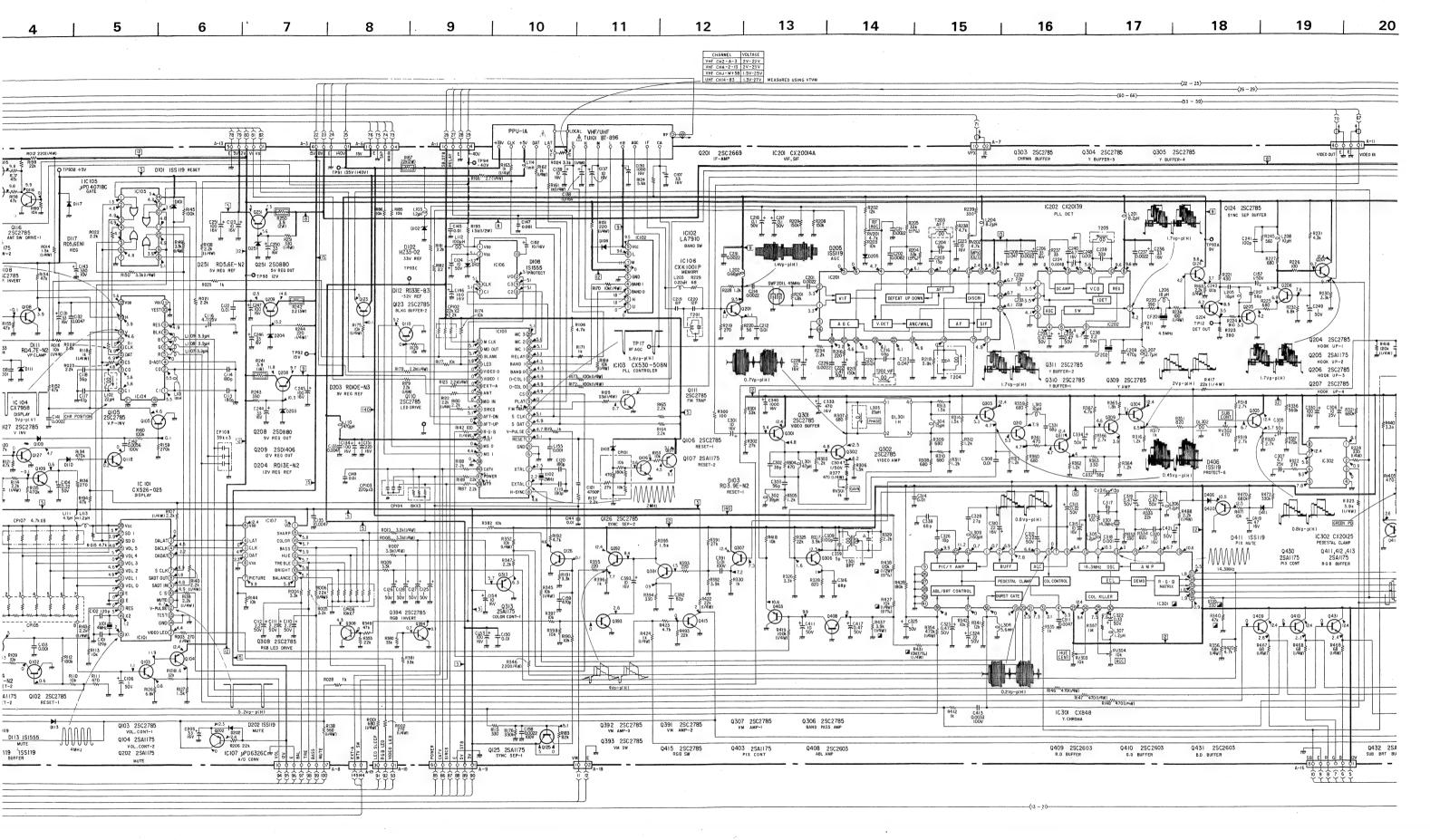
KV-25XBR

KV-25XBR RM-724/APM-X3U

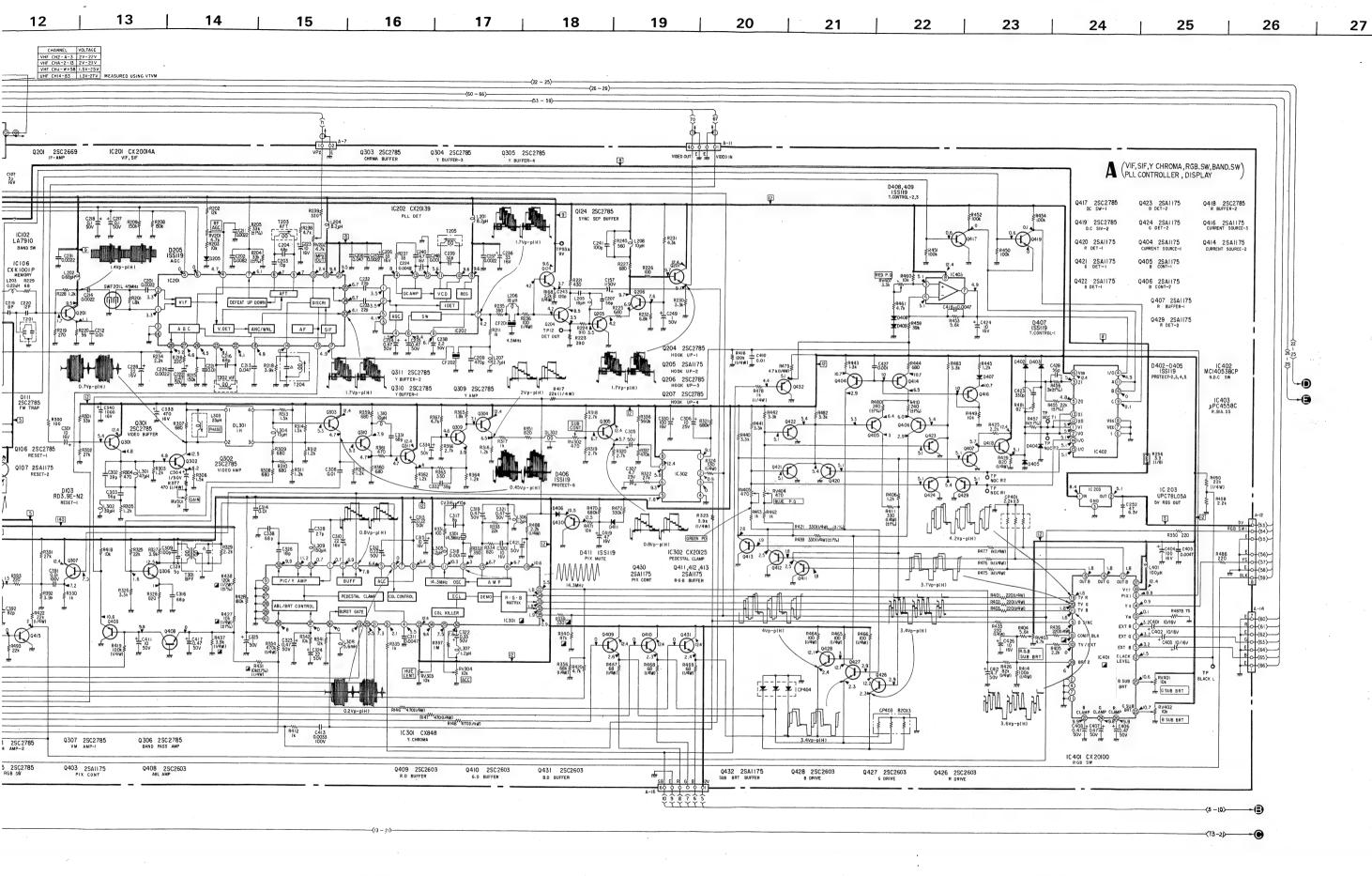


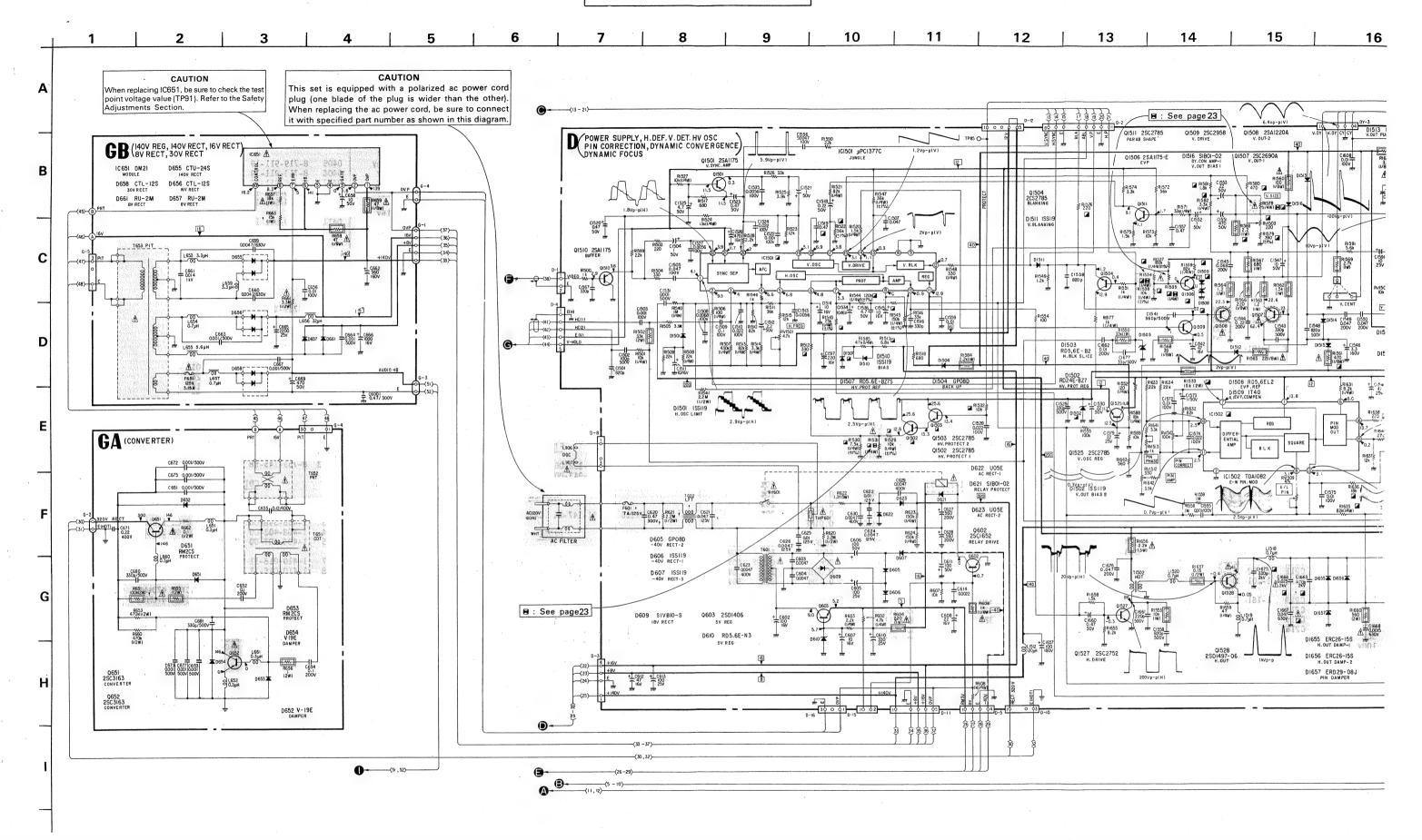


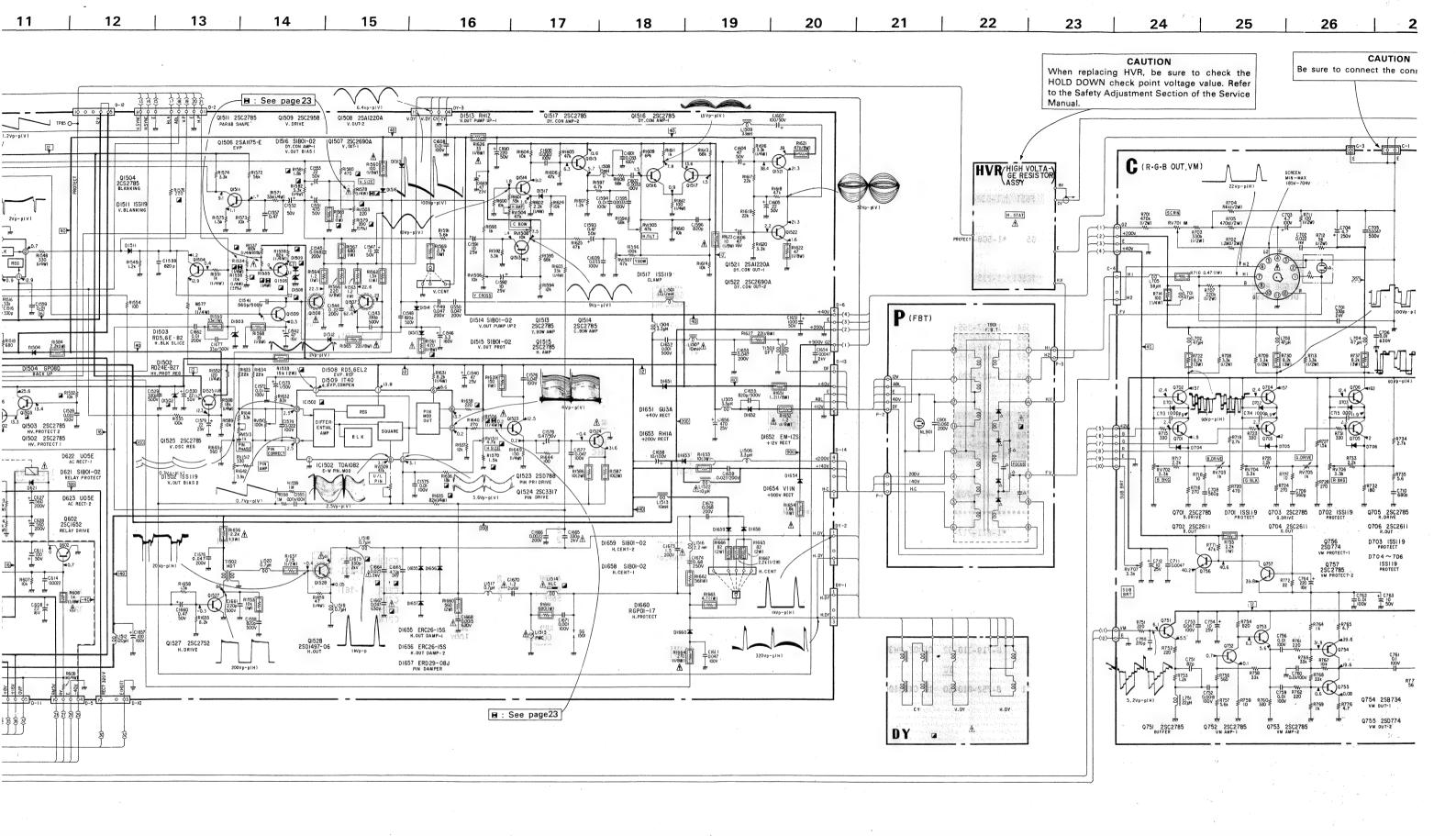
KV-25XBR KV-2! RM-724/APM-X3U RM-724/A

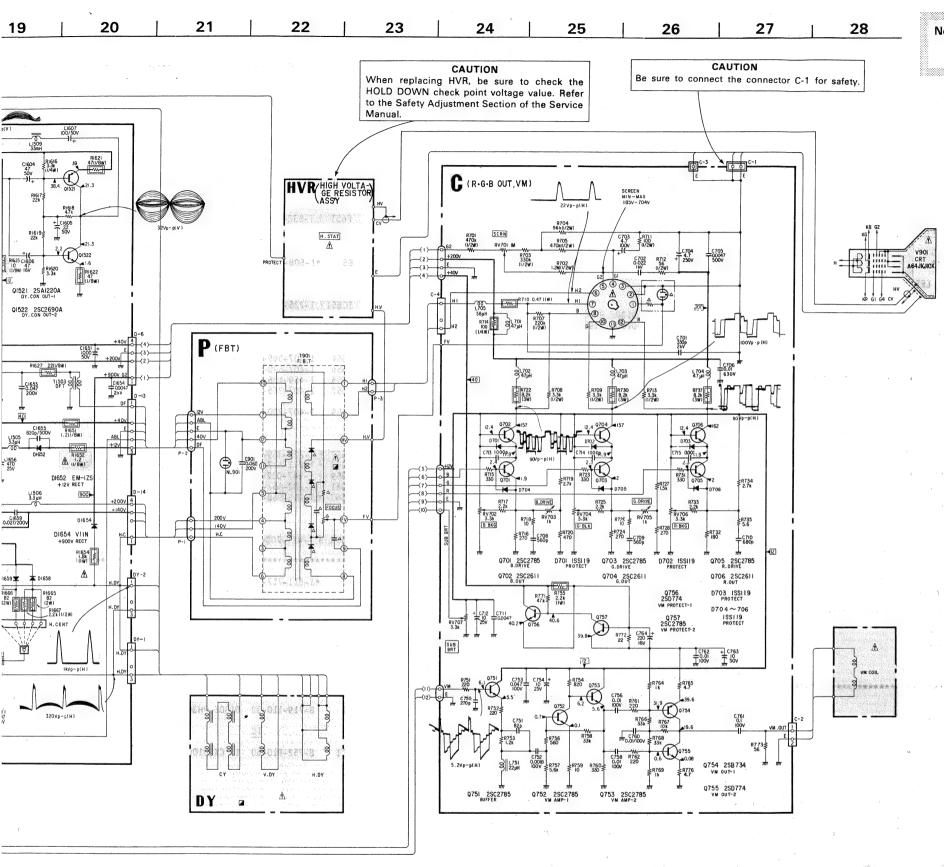


KV-25XBR RM-724/APM-X3U KV-25XBR RM-724/APM-X3U









Note: The components identified by shading and mark

A are critical for safety. Replace only with
part number specified.

- All Capacitors are in μ F unless otherwise noted, pF: $\mu\mu$ F 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.

 $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$

- Standard for the M Board is 1/4W.
- nonflamable resistor.
- \bullet Δ : internal component.
- panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

When replacing the part in below table, be sure to perform the related adjustment.

Part replaced (🔲)	Adjustment (🛮)
D1502, D1507, IC1501 Q1502, Q1503, R427 R431, R437, R438 R1512, R1519, R1529 R1530, R1531, R1532 R1533, R1543, R1544 R1545	R1531
D1508, D1509, IC301 IC401, Q1506, R339 R340, R348, R436 R1534, R1535, R1537 R1538, R1539, R1561 R1576	R1534, R1535
C1663, C1664, C1667 C1675, IC1502, L1514 R1556, R1570, R1635 R1636, R1638, RV1511 FBT, DY	R1556
C1519, C1663, C1664 C1667, C1675, IC1501 L1514, R1522, R1578 R1579, R1580, R1581 R1582, R1583, RV1503 FBT, DY	R1578

- All voltages are in V.

 Voltages are do with
 - Voltages are dc with respect to ground unless otherwise noted.
 - ullet Readings are taken with a 10M Ω digital multimeter.
 - Readings are taken with a color-bar signal input.
 - ---: B+ bus.
 - --- : B bus.
 - Voltage variations may be noted due to normal production tolerances.
 - : adjustment for repair.



SECTION 7 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- All variable and adjustable resistors have characteristic curve B, unless All resistors are in ohms been carefully factory-selected for each set in order to • All variable and adjustable resistors otherwise noted.
- CAPACITORS
 MF : μF, PF : μμF
- F : nonflammable
- COILS
 MMH : INH, UH : 4H
- satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value

• MF : μF, PF : μμF		• 1	MMH : mH,	, UH : μi	4	originally u	sed.	,		
Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
*1-613-420-21	*****				C679A C680 C681	1-106-359-00 1-102-030-00 1-102-030-00	CERAMIC	0.0047MF 330PF 330PF	10% 10% 10%	200V 500V 500V
*4-345-701-00	HOLDER, LED				DIO	DDE				
DIO	ODE				 D651	8-719-301-18	DIODE RM2CS			
D1301 8-719-106-34 D1302 8-719-106-34 D1303 8-719-114-34 D1304 8-719-114-34	DIODE SR632	D D			D652 D653 D654	8-719-901-93 8-719-301-18 8-719-901-93	DIODE V19E DIODE RM2CS			
*******	*****	*****	*****	*****		CON	INECTOR			
*1-613-421-11	T2 BOARD				G4	*1-508-765-00	3P PLUG (M)			
	******					<u>C01</u>	L			
SW:	тсн				L651		COIL, ARE-CO			
\$1323 <u>%</u> ,1-554-303-11			****	****	L652 L660 L661	1-425-612-00 1-425-612-00		RE		
*1-613-414-11	D DOVDD					TRA	NSISTOR			
	******					8-729-902-00 8-729-902-00				
C901 1-108-431-00		0.068MF	10%	200V		RES	ISTOR			
		U.UUOMF	10%	2004		1-214-597-61				EI I
	ON LAMP				R653 R655 ∧	1-202-637-00 1-206-439-61	METAL OXIDE	470K 5%	1/2W 2W	
NL 901 1-519-237-11	LAMP, NEON				R656 R660	1-206-439-00 1-202-637-00	METAL OXIDE SOLID	1 5% 470K 5%	2W 1/2W	F
*********	********	******	*****	******	 R662 A	1-207-451-11	WIREWOUND	0.1 10%		
*1-613-422-11	T4 BOARD						NSFORMER		+1 -11	
1-562-684-11	SOCKET, DIN	6P.				1-421-695-11 1-421-710-11				
********	******	*****	*****	*****	1					
*1-613-423-11	GA BOARD					********* *1-613-424-11		*****	******	*****
4-374-104-01 4-374-108-01	HOLDER, TR SPACER, MICA	1				CAP	ACITOR			
CAF	PACITOR	·			C656 C658	1-106-196-00		0.01MF 10MF	10%	1000
C651 1-102-038-00	CERAMIC	0.001MF		500V	C659	1-123-356-00 1-129-710-00	FILM	0.0047MF	20% 10%	50V 630V
C652 1-136-103-00 C653 1-102-038-00	FILM CERAMIC	0.1MF 0.001MF	5%	200V 500V	C660 C661	1-129-710-00 1-136-240-11		0.0047MF 0.014MF	10% 5%	630V 1KV
C654 1-136-103-00 C655 1-136-131-00	FILM FILM	0.1MF 0.12MF	5% 5%	200V 400V	 C662 C663	1-125-294-00 1-102-038-00	ELECT(BLOCK)		20%	160V 500V
C671 1-136-120-00	FILM	0.22MF	5%	400V	C664	1-102-038-00	CERAMIC	0.001MF	004	500V
C672 1-102-038-00 C673 1-102-038-00	CERAMIC CERAMIC	0.001MF 0.001MF		500V 500V	C665 C666	1-123-338-00 1-123-324-00	ELECT ELECT	2200MF 1000MF	20 % 20 %	25V 16V
C675 1-102-038-00 C677 1-102-038-00	CERAMIC CERAMIC	0.001MF 0.001MF		500V 500V	C667	1-102-038-00	CERAMIC	0.001MF		500V

KV-25XBR RM-724/APM-X3U

KV-25XBR RM-724/APM-X3U

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L						
Ref.N	o. Part No.	Description	<u>n</u>		Remark	Ref.N
C 669	1-123-363-00	ELECT	470MF	20%	50 V	
	DI	ODE				R1
D655	8-719-300-09 *4-347-706-00	HEAT SINK	(TR), D655			R2 R3 R4
D656 D657 D658	8-719-301-09 8-719-302-00 8-719-301-09		1			 ****
D661	8-719-302-00	DIODE RU-2M	1			
	FU	SE .				Ĺ
F651	1-532-595-11	FUSE, GLASS	TUBE 125V	3.15A	May 110	
	CO	NNECTOR				
G5	*1-508-765-00	3P PLUG (M)				A1 A2
	MOI	DULE				A3 A6
IC651	/\.1-235-445-11	MODULE, POW	ER (DM-21)	200	en a dean alt alta	A7
	CO	[L	and a supplied to the supplied of the supplied		1 4004-201 (1004-0-1004-0-1-1-100	A8 A9
L 653 L 654	1-407-780-00 1-407-365-00	COIL, SPOOK COIL, CHOKE				A10 A11 A12
L655 L656 L657	1-407-690-00 1-459-406-00 1-407-365-00	MICRÓ INDUC COIL (WITH COIL, CHOKE	TOR 5.6UH			A13 A14
L 659	1-407-780-00	COIL, SPOOK	CHOKE			A15 A16 A18
	RES	ISTOR				A19
R658 R659 R661	↑ 1-215-969-51 ↑ 1-211-427-11 ↑ 1-247-033-11 ↑ 1-202-657-15 ↑ 1-215-968-21	METAL CARBON CARBON SOLID METAL	18K 100 5% 100 5% 3.3M 5% 15K	1W 1/8W 1/8W 1/2W	F	C101 C102
	TRA	NSFORMER				C103 C104
T653	A1-421-703-12	PIT	tari	100	Marie San	C106
*****	******	*****	******	*****	*****	C107 C108
	*1-611-717-11	N BOARD			ļ	C110 C111 C112
-	CAP	ACITOR				C113 C114
C1	1-123-611-00	ELECT	1MF	20%	50V	C116
C2 C3 C4	1-123-613-00 1-102-820-00 1-123-821-00	ELECT CERAMIC ELECT	3.3MF 330PF 47MF	20% 5% 20%	50V 50V 16V	C117 C118
	DIO	<u>DE</u>	٠		-	C119 C120
D1	8-719-110-32	DIODE PH302B	,			C121 C122
	IC				ļ	C123
IC1	8-752-010-60	IC CX20106				

GA GB

arts by referease include

in this manual have each set in order to radiation. Should only with the value

Remark

10% 200V 10% 500V 10% 500V

2W F 1/2W 2W F 2W F 1/2W

3 1/2W

10% 100V 20% 50V 10% 630V 10% 630V 5% 1KV 20% 160V 500V 500V 20% 25V 20% 16V

500V

GB N A

IC1 8-752-010-60 IC CX20106

<u> </u>											
Ref.No	. Part No.	Description			Remark	Ref.No	. Part No.	Description			Remark
Ç 669	1-123-363-00	ELECT	470MF	20%	50V		RES	ISTOR			
	<u>D10</u>					R1 R2	1-247-799-00 1-247-775-00	CARBON CARBON METAL	47 5% 4.7 5% 200K 1%	1/6W 1/6W 1/4W	
D 655 D 656	8-719-300-09 *4-347-706-00 8-719-301-09	DIODE CTU-24 HEAT SINK (T DIODE CTL-12	R), D655			R3 R4 	1-214-784-00 1-247-863-00	CARBON	22K 5%	1/6W	
D657 D658	8-719-302-00 8-719-301-09	DIODE RU-2M DIODE CTL-12	S			*****	************* *A-1295-916-A			*****	*****
D661	8-719-302-00	DIODE RU-2M						*****	****	a a victor of 1975	
	FUS			organis agricultura gallanda di Silva	and the second second second second	1	1-463-471-33 *1-551-382-00	SYNTHESIZER CABLE P-P	UNIT, FREQU	ENCY	
F651	∆ 1-532-595-11	FUSE, GLASS	TUBE 125V	3.15A	i milit esta este esta esta esta esta esta est		CON	NECTOR			
	CON	NECTOR				A1	*1-564-440-11				
G5	*1-508-765-00	3P PLUG (M)				A2 A3	*1-564-444-11 *1-508-766-00		TOR (2.5MM)	88	-
	MOD	ULE				A6 A7	*1-564-440-11 *1-564-353-00	PLUG, CONNEC PLUG, CONNEC			
IC 651,	1.1-235-445-11	MODULE, POWE	R (DM-21)	a terror	distressors (A8	*1-564-443-11				
	<u>C01</u>	L				A9 A10	*1-564-442-11 *1-564-354-21				
L653	1-407-780-00		CHOKE			A11	*1-564-440-11	PLUG, CONNEC	TOR (2.5MM)	4P	
L 654 L 655	1-407-365-00 1-407-690-00		OR 5.6UH			A12	*1-564-444-11	PLUG, CONNEC	TUR (2.5MM)	or .	
L656	1-459-406-00	COIL (WITH C				A13	*1-564-441-11 *1-564-443-11				
L657	1-407-365-00	COIL, CHOKE				A15	*1-564-354-00	PLUG, CONNEC	TOR (2.5MM)	3P	
L659	1-407-780-00	COIL, SPOOK	CHOKE			A16 A18	*1-564-442-11 *1-564-353-00	PLUG, CONNEC			
	RES	ISTOR				A19	*1-564-353-00	•			
R658	1-215-969-51 1-211-427-11	CARBON	18K 100 5%	1W 1/8W	F		CAP	ACITOR			
R661	1-247-033-11 1-202-657-15 1-215-968-21	CARBON SOLID METAL	100 5% 3.3M 5% 15K	1/8W 1/2W 1W	i taran Mara	C101 C102	1-102-816-00 1-102-816-00	CERAMIC	120PF 120PF	5% 5%	50V 50V
3.44.42940380	The second secon	NSFORMER	er Sone Chromov pure son her he Washington	all of control of the same of the same	and the second second second	C103	1-102-074-00 1-123-447-00	CERAMIC ELECT	0.001MF 0.22MF	10% 20%	50V 50V
+				more interest	www.	C106	1-123-380-00	ELECT	1MF	20%	50V
1003	↑ 1-421-703-12	******				C107	1-123-318-00 1-101-001-00		33MF 0.001MF	20%	16V 50V
*****	*****	*****	*****	*****	*****	C110	1-123-381-00	ELECT	2.2MF	20%	50 V
	*1-611-717-11	N BOARD				C111	1-123-381-00 1-123-381-00	ELECT	2.2MF 2.2MF	20% 20%	50V 50V
	CAP	ACITOR				C113 C114	1-102-976-00 1-102-976-00		180PF 180PF	5% 5%	50V 50V
C1		ELECT	1MF	20%	50V	C116	1-123-369-00 1-101-880-00		4.7MF 47PF	20% 5%	25 V 50 V
C2	1-123-613-00 1-102-820-00	ELECT CERAMIC	3.3MF 330PF	20% 5%	50V 50V	C117 C118	1-101-884-00	CERAMIC	56PF	5%	50V
C 4	1-123-821-00	ELECT	47MF	20%	16V	C119	1-102-976-00	CERAMIC	180PF	5%	50 V
	DIO	DE				C120	1-102-976-00	CERAMIC MYLAR	180PF 0.0047MF	5% 10%	50V 100V
D1	8-719-110-32	DIODE PH302B				C122 C123	1-101-004-00 1-123-356-00	CERAMIC ELECT	0.01MF 10MF	20%	50V 16V
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Ref.No	. Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C124 C125 C126 C127 C128	1-123-356-00 1-123-380-00 1-123-380-00 1-123-380-00 1-123-380-00	ELECT ELECT ELECT ELECT ELECT	10MF 1MF 1MF 1MF 1MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V	C221 C222 C223 C226 C228	1-161-013-00 1-123-379-00 1-123-356-00 1-102-121-00 1-123-330-00	CERAMIC ELECT ELECT CERAMIC ELECT	0.01MF 0.47MF 10MF 0.0022MF 22MF	10% 20% 20% 10% 20%	25V 50V 16V 50V 16V
C129 C130 C131 C132 C133	1-119-129-00 1-123-324-00 1-123-318-00 1-101-003-00 1-101-003-00	ELECT ELECT ELECT CERAMIC CERAMIC	100MF 1000MF 33MF 0.0047MF 0.0047MF	20% 20%	16V 16V 16V 50V	C231 C232 C233 C234 C235	1-102-121-00 1-102-959-00 1-102-959-00 1-123-379-00 1-123-379-00	CERAMIC CERAMIC CERAMIC ELECT ELECT	0.0022MF 22PF 22PF 0.47MF 0.47MF	10% 5% 5% 20% 20%	50V 50V 50V 50V 50V
C134 C135 C137 C138 C139	1-123-333-00 1-101-003-00 1-123-356-00 1-123-356-00 1-123-356-00	ELECT CERAMIC ELECT ELECT ELECT	100MF 0.0047MF 10MF 10MF 10MF	20% 20% 20% 20%	16V 50V 16V 16V	C236 C237 C238 C239 C240	1-123-318-00 1-102-121-00 1-123-381-00 1-102-752-61 1-121-257-00	ELECT CERAMIC ELECT CERAMIC ELECT	33MF 0.0022MF 2.2MF 30PF 4.7MF	20% 10% 20% 5%	16V 50V 50V 50V 16V
C140 C141 C142 C143 C144	1-101-001-00 1-101-002-00 1-106-190-00 1-123-309-00 1-101-004-00	CERAMIC CERAMIC MYLAR ELECT CERAMIC	0.001MF 0.0022MF 0.0056MF 330MF 0.01MF	10% 20%	50V 50V 100V 10V 50V	C241 C243 C244 C245 C246	1-102-973-00 1-102-816-00 1-123-318-00 1-123-333-00 1-123-318-00	CERAMIC CERAMIC ELECT ELECT ELECT	100PF 120PF 33MF 100MF 33MF	5% 5% 20% 20% 20%	50V 50V 16V 16V 16V
C145 C146 C147 C149 C150	1-101-004-00 1-123-333-00 1-101-001-00 1-101-004-00 1-101-004-00	CERAMIC ELECT CERAMIC CERAMIC CERAMIC	0.01MF 100MF 0.001MF 0.01MF 0.01MF	20%	50V 16V 50V 50V	C247 C248 C249 C250 C251	1-123-333-00 1-102-074-00 1-123-380-00 1-123-318-00 1-123-333-00	ELECT CERAMIC ELECT ELECT ELECT	100MF 0.001MF 1MF 33MF 100MF	20% 10% 20% 20% 20%	16V 50V 50V 16V
C151 C152 C153 C154 C155	1-119-135-00 1-123-356-00 1-123-333-00 1-123-356-00 1-161-323-00	ELECT ELECT ELECT ELECT CERAMIC	220MF 10MF 100MF 10MF 0.001MF	20% 20% 20% 10%	16V 16V 16V 16V 50V	C252 C301 C302 C303 C304	1-123-306-00 1-123-356-00 1-102-965-00 1-101-884-00 1-123-380-00	ELECT ELECT CERAMIC CERAMIC ELECT	47MF 10MF 39PF 56PF 1MF	20% 20% 5% 5% 20%	6.3V 16V 50V 50V
C156 C157 C158 C159 C201	1-123-356-00 1-123-380-00 1-106-180-00 1-102-824-00 1-102-121-00	ELECT ELECT MYLAR CERAMIC CERAMIC	10MF 1MF 0.0022MF 470PF 0.0022MF	20% 20% 10% 5% 10%	16V 50V 100V 50V	C305 C306 C307 C308 C309	1-123-380-00 1-123-356-00 1-123-369-00 1-102-129-00 1-102-973-00	ELECT ELECT ELECT CERAMIC CERAMIC	1MF 10MF 4.7MF 0.01MF 100PF	20% 20% 20% 10% 5%	50V 25V 25V 50V 50V
C 202 C 203 C 204 C 205 C 206	1-102-128-00 1-102-851-00 1-102-525-00 1-123-318-00 1-123-318-00	CERAMIC CERAMIC CERAMIC ELECT ELECT	0.0082MF 15PF 68PF 33MF 33MF	10% 5% 5% 20% 20%	50V 50V 50V 16V	C310 C311 C312 C313 C314	1-123-330-00 1-161-047-00 1-123-447-00 1-123-447-00 1-101-004-00	ELECT CERAMIC ELECT ELECT CERAMIC	22MF 0.0047MF 0.22MF 0.22MF 0.01MF	20% 10% 20% 20%	16V 50V 50V 50V 50V
C 207 C 208 C 209 C 211 C 212	1-101-884-00 1-161-059-00 1-102-824-00 1-102-121-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	56PF 0.047MF 470PF 0.0022MF 0.01MF	5% 10% 5% 10%	50V 25V 50V 50V	C315 C316 C317 C318 C319	1-123-356-00 1-101-888-00 1-102-865-00 1-102-074-00 1-123-379-00	ELECT CERAMIC CERAMIC CERAMIC ELECT	10MF 68PF 8PF 0.001MF 0.47MF	20% 5% 0.5PF 10% 20%	16V 50V 50V 50V 50V
C213 C214 C215 C216 C217	1-161-059-00 1-102-121-00 1-102-121-00 1-102-525-00 1-123-586-00	CERAMIC CERAMIC CERAMIC CERAMIC ELECT	0.047MF 0.0022MF 0.0022MF 68PF 0.1MF	10% 10% 10% 5% 20%	25 V 50 V 50 V 50 V 50 V	C320 C321 C322 C323 C324	1-121-806-00 1-123-379-00 1-123-286-00 1-123-379-00 1-123-357-00	ELECT ELECT ELECT ELECT ELECT	10MF 0.47MF 0.33MF 0.47MF 22MF	20% 20% 20% 20%	16V 50V 50V 50V 50V
C 218 C 219 C 220	1-123-586-00 1-102-634-11 1-102-637-00	ELECT CERAMIC CERAMIC	0.1MF 8PF 12PF	20% 0.5PF 5%	50 V 50 V 50 V	C325 C326 C328	1-123-380-00 1-102-953-00 1-161-264-00	ELECT CERAMIC CERAMIC	1MF 18PF 27PF	20% 5% 5%	50V 50V 50V

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Remark	Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Desc
·	C124 C125 C126 C127 C128	1-123-356-00 1-123-380-00 1-123-380-00 1-123-380-00 1-123-380-00	ELECT ELECT ELECT ELECT ELECT	10MF 1MF 1MF 1MF 1MF	20% 20% 20% 20% 20%	50V 50V 50V 50V 50V	C221 C222 C223 C226 C228	1-161-013-00 1-123-379-00 1-123-356-00 1-102-121-00 1-123-330-00	ELECT ELECT CERAMIC	0.01MF 0.47MF 10MF 0.0022MF 22MF	10% 20% 20% 10% 20%	25V 50V 16V 50V 16V	C 330 C 331 C 332 C 333 C 334	1-123-333-00 1-101-888-00 1-102-965-00 1-123-323-00 1-123-380-00	CERA CERA ELEC
r******	C129 C130 C131 C132 C133	1-119-129-00 1-123-324-00 1-123-318-00 1-101-003-00 1-101-003-00	ELECT ELECT ELECT CERAMIC CERAMIC	100MF 1000MF 33MF 0.0047MF 0.0047MF	20% 20%	16V 16V 16V 50V 50V	C231 C232 C233 C234 C235	1-102-121-00 1-102-959-00 1-102-959-00 1-123-379-00 1-123-379-00	CERAMIC CERAMIC ELECT	0.0022MF 22PF 22PF 0.47MF 0.47MF	10% 5% 5% 20% 20%	50V 50V 50V 50V 50V	C338 C339 C340 C391 C392 C393	1-101-888-00 1-102-942-00 1-123-324-00 1-106-196-00 1-102-971-00 1-123-356-00	CERA ELEC MYLA CERA
	C134 C135 C137 C138 C139	1-123-333-00 1-101-003-00 1-123-356-00 1-123-356-00 1-123-356-00	ELECT CERAMIC ELECT ELECT ELECT	100MF 0.0047MF 10MF 10MF	20% 20% 20% 20%	16V 50V 16V 16V 16V	C236 C237 C238 C239 C240		CERAMIC ELECT CERAMIC	33MF 0.0022MF 2.2MF 30PF 4.7MF	20% 10% 20% 5%	16V 50V 50V 50V 16V	C 401 C 402 C 403 C 404 C 405	1-123-356-00 1-123-356-00 1-123-356-00 1-123-324-00 1-101-003-00	ELEC ELEC ELEC
	C140 C141 C142 C143 C144	1-101-001-00 1-101-002-00 1-106-190-00 1-123-309-00 1-101-004-00	CERAMIC CERAMIC MYLAR ELECT CERAMIC	0.001MF 0.0022MF 0.0056MF 330MF 0.01MF	10% 20%	50V 50V 100V 10V 50V	C241 C243 C244 C245 C246		CERAMIC ELECT ELECT	100PF 120PF 33MF 100MF 33MF	5% 5% 20% 20% 20%	50V 50V 16V 16V 16V	C406 C407 C408 C410 C411	1-123-379-00 1-123-379-00 1-123-379-00 1-101-004-00 1-123-356-00	ELEC ELEC CERA
	C145 C146 C147 C149 C150	1-101-004-00 1-123-333-00 1-101-001-00 1-101-004-00 1-101-004-00	CERAMIC ELECT CERAMIC CERAMIC CERAMIC	0.01MF 100MF 0.001MF 0.01MF 0.01MF	20%	50V 16V 50V 50V 50V	C247 C248 C249 C250	1-123-333-00 1-102-074-00 1-123-380-00 1-123-318-00 1-123-333-00	CERAMIC ELECT ELECT	100MF 0.001MF 1MF 33MF 100MF	20% 10% 20% 20% 20%	16V 50V 50V 16V	C412 C413 C417 C418 C419	1-123-369-00 1-106-184-00 1-123-379-00 1-101-003-00 1-123-332-00	MYLA ELEC CERA
·	C151 C152 C153 C154 C155	1-119-135-00 1-123-356-00 1-123-333-00 1-123-356-00 1-161-323-00	ELECT ELECT ELECT ELECT CERAMIC	220MF 10MF 100MF 10MF 0.001MF	20% 20% 20% 10%	16V 16V 16V 16V 50V	C252 C301 C302 C303 C304	1-123-306-00 1-123-356-00 1-102-965-00 1-101-884-00 1-123-380-00	ELECT CERAMIC CERAMIC	47MF 10MF 39PF 56PF 1MF	20% 20% 5% 5% 20%	6.3V 16V 50V 50V 50V	C 421 C 423 C 424 C 426 C 427	1-123-380-00 1-102-820-00 1-123-356-00 1-123-356-00 1-101-001-00	CERA ELEC ELEC
DV DV	C156 C157 C158 C159 C201	1-123-356-00 1-123-380-00 1-106-180-00 1-102-824-00 1-102-121-00	ELECT ELECT MYLAR CERAMIC CERAMIC	10MF 1MF 0.0022MF 470PF 0.0022MF	20% 20% 10% 5% 10%	16V 50V 100V 50V 50V	C305 C306 C307 C308 C309	1-123-380-00 1-123-356-00 1-123-369-00 1-102-129-00 1-102-973-00	ELECT ELECT CERAMIC	1MF 10MF 4.7MF 0.01MF 100PF	20% 20% 20% 10% 5%	50V 25V 25V 50V 50V		1-409-332-00	TER CERA
DV DV 6V DV	C 202 C 203 C 204 C 205 C 206	1-102-128-00 1-102-851-00 1-102-525-00 1-123-318-00 1-123-318-00	CERAMIC CERAMIC CERAMIC ELECT ELECT	0.0082MF 15PF 68PF 33MF 33MF	10% 5% 5% 20% 20%	50V 50V 50V 16V	C310 C311 C312 C313 C314	1-123-330-00 1-161-047-00 1-123-447-00 1-123-447-00 1-101-004-00	CERAMIC ELECT ELECT	22MF 0.0047MF 0.22MF 0.22MF 0.01MF	20% 10% 20% 20%	16V 50V 50V 50V 50V		1-527-943-00 <u>TRI</u> 1-141-147-XX	MMER
VC							İ				20%	16V		DIO	DDE
3V 3V 5V		1-101-884-00 1-161-059-00 1-102-824-00 1-102-121-00 1-101-004-00	CERAMIC	56PF 0.047MF 470PF 0.0022MF 0.01MF	5% 10% 5% 10%	50V 25V 50V 50V 50V	C319	1-123-356-00 1-101-888-00 1-102-865-00 1-102-074-00 1-123-379-00	CERAMIC CERAMIC ELECT	10MF 68PF 8PF 0.001MF 0.47MF	5% 0.5PF 10% 20%	50V 50V 50V 50V	D101 D102 D103 D104 D108	8-719-911-19 8-759-300-42 8-719-102-60 8-719-102-60 8-719-911-19	DI OI
) A) A) A) A	C213 C214 C215 C216 C217	1-161-059-00 1-102-121-00 1-102-121-00 1-102-525-00 1-123-586-00	CERAMIC CERAMIC CERAMIC	0.047MF 0.0022MF 0.0022MF 68PF 0.1MF	10% 10% 10% 5% 20%	25 V 50 V 50 V 50 V 50 V	C320 C321 C322 C323 C324	1-121-806-00 1-123-379-00 1-123-286-00 1-123-379-00 1-123-357-00	ELECT ELECT ELECT	10MF 0.47MF 0.33MF 0.47MF 22MF	20% 20% 20% 20%	16V 50V 50V 50V 50V	D109 D110 D111 D112	8-719-911-19 8-719-911-19 8-719-102-65 8-719-101-04	10 I D
2A 3A	C218 C219 C220	1-123-586-00 1-102-634-11 1-102-637-00	ELECT CERAMIC CERAMIC	0.1MF 8PF 12PF	20% 0.5PF 5%	50V 50V 50V	C325 C326 C328	1-123-380-00 1-102-953-00 1-161-264-00	CERAMIC	1MF 18PF 27PF	20% 5% 5%	50V 50V 50V	D117 D119 D202	8-719-102-70 8-719-911-19 8-719-911-19	DIO



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Ref.No	. Part No.	Description			Remark	Ref.No.	Part No.	Description	
C 330 C 331 C 332	1-123-333-00 1-101-888-00 1-102-965-00	CERAMIC CERAMIC	100MF 68PF 39PF	20% 5% 5%	16V 50V 50V	D203 D204	8-719-102-91 8-719-103-06	DIODE RD13E-N2	
C 333 C 334	1-123-323-00 1-123-380-00		470MF 1MF	20% 20%	16V 50V	D205 D251 D402	8-719-911-19 8-719-102-71 8-719-911-19	DIODE RD5.6E-N	2
C 338 C339	1-101-888-00 1-102-942-00	CERAMIC	68PF 5PF	5% 0.5PF	50V 50V	D403 D404	8-719-911-19 8-719-911-19	DIODE 1SS119	
C340 C391 C392	1-123-324-00 1-106-196-00 1-102-971-00	MYLAR	1000MF 0.01MF 82PF	20% 10% 5%	16V 100V 50V	D405 D406	8-719-911-19 8-719-911-19	DIODE 1SS119	
C 393 C 401	1-123-356-00 1-123-356-00	ELECT	10MF 10MF	20% 20%	16V 16V	D407 D408 D409	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119	
C 402 C 403	1-123-356-00 1-123-356-00	ELECT	10MF 10MF	20% 20%	16V 16V	D411	8-719-911-19		
C 404 C 405	1-123-324-00 1-101-003-00	CERAMIC	1000MF 0.0047MF	20%	16V 50V		DEL	AY LINE	
C 406	1-123-379-00	ELECT	0.47MF	20% 20%	50V			DELAY LINE, 1H DELAY LINE, Y	
C408 C410 C411	1-123-379-00 1-101-004-00 1-123-356-00	CERAMIC	0.47MF 0.01MF 10MF	20% 20%	50V 50V 50V		īC		
C412	1-123-369-00	ELECT	4.7MF	20%	50V	IC102	8-759-103-07 8-759-800-65		
C413 C417 C418 C419	1-106-184-00 1-123-379-00 1-101-003-00 1-123-332-00	ELECT CERAMIC	0.0033MF 0.47MF 0.0047MF 47MF	10% 20% 20%	100V 50V 50V 16V	IC104	8-759-909-50	IC CX7958 IC UPD4071BC	
C421	1-123-380-00	ELECT	1MF	20%	50 V		8-759-102-28		
C 423 C 424 C 426 C 427	1-102-820-00 1-123-356-00 1-123-356-00 1-101-001-00	ELECT ELECT	330PF 10MF 10MF 0.001MF	5% 20% 20%	50V 16V 16V 50V			IC CX20014A IC CX20139 IC UPC78L05A	
C428	1-101-884-00	CERAMIC	56PF	5%	50 V	IC 301 IC 302 IC 401	8-759-913-11	IC CX20125	
CE 201	FIL 1-409-332-00	TER CEDAMIC TRAD	(A 5MU7)			IC402		IC MC14053BCP	
	1-527-943-00					10.00	<u>C01</u>		
	-	MMER				L101		MICRO INDUCTOR	1MMH
CV316	1-141-147-XX					L102		COIL MICRO INDUCTOR MICRO INDUCTOR	
	<u>D10</u>					L104 L105		MICRO INDUCTOR	
D101 D102 D103 D104 D108	8-759-300-42 8-719-102-60 8-719-102-60	DIODE 1SS119 IC HZT33-02 DIODE RD3.9E DIODE RD3.9E DIODE 1SS119	-N2 -N2			L107 L108 L109 L110 L111	1-410-016-11 1-410-016-11 1-408-429-00	MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR	3.9UH 3.9UH 470UH
D109 D110 D111 D112	8-719-911-19 8-719-102-65	DIODE 1SS119 DIODE 1SS119 DIODE RD4.7E DIODE RD33E-	-N2			L112 L113 L114 L201	1-407-179-00	MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR	1.2UH 1UH 8.2UH
D117 D119 D202	8-719-911-19	DIODE RD5.6E DIODE 1SS119 DIODE 1SS119)			L 202 L 203 L 204	1-408-709-00 1-410-073-11 1-408-408-00	MICRO INDUCTOR	0.22UH
						L205 L206 L207 L208	1-408-402-00	MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR MICRO INDUCTOR	18UH 2.7UH

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Ref.No. Part No.	Description	Remark	Ref.No.	Part No.	Description				Remark
L301 1-408-450-11 L302 1-408-416-00 L303 1-404-540-11 L304 1-408-411-00 L305 1-408-398-00	MICRO INDUCTOR 47UH MICRO INDUCTOR 39UH COIL MICRO INDUCTOR 15UH MICRO INDUCTOR 1.2UH		Q391 Q392 Q393 Q394 Q403 Q404	8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83 8-729-204-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2458 2SC2458 2SC2458 2SA1048GR			
L307 1-408-398-00 L308 1-408-163-00 L309 1-408-456-11 L310 1-408-409-00	MICRO INDUCTOR 390H COIL MICRO INDUCTOR 1.5UH MICRO INDUCTOR 1.2UH MICRO INDUCTOR 1.2UH MICRO INDUCTOR 1.2UH MICRO INDUCTOR 5.6MMH MICRO INDUCTOR 5.50UH MICRO INDUCTOR 10UH MICRO INDUCTOR 10UH MICRO INDUCTOR 10UH		Q405 Q406 Q407 Q408 Q409	8-729-204-83 8-729-204-83 8-729-204-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SA1048GR 2SA1048GR 2SC2458			•
TR	ANSISTOR		Q410	8-729-245-83				•	
0101 8-729-204-83 0102 8-729-245-83 0103 8-729-245-83 0104 8-729-204-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SA1048GR		0411 0412 0413 0414	8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SA1048GR 2SA1048GR			
Q105 8-729-245-83 Q106 8-729-245-83 Q107 8-729-204-83 Q108 8-729-245-83 Q109 8-729-245-83 Q110 8-729-245-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458	,	Q416. Q417 Q418 Q419 Q420	8-729-204-83 8-729-245-83 8-729-245-83 8-729-245-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SC2458 2SC2458 2SC2458 2SA1048GR	•,		
			Q426	8-729-204-83 8-729-204-83 8-729-204-83 8-729-204-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SA1048GR 2SA1048GR 2SC2458			
Q118 8-729-245-8 Q123 8-729-245-8	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458		Q427 Q428 Q429 Q430	8-729-245-83 8-729-245-83 8-729-204-83 8-729-204-83	TRANSISTOR TRANSISTOR	2SC 2458 2SA 1048GR			
0125 8-729-204-8 0126 8-729-245-8 0127 8-729-245-8 0128 8-729-245-8	TRANSISTOR 2SC2458		Q431 Q432	8-729-245-83 8-729-204-83 <u>RES</u>					
0204 8-729-245-8 0205 8-729-204-8	TRANSISTOR 2SA1048GR TRANSISTOR 2SC2458		R001 R002 R003 R004 R005	1-247-127-00 1-247-117-00 1-247-117-00 1-247-843-00 1-247-843-00	CARBON CARBON CARBON	270	% %	1/4W 1/4W 1/4W 1/6W 1/6W	
Q207 8-729-245-8 Q208 8-729-288-0 Q209 8-729-201-7 Q251 8-729-288-0	TRANSISTOR 2SC2458 TRANSISTOR 2SD880 TRANSISTOR 2SD1406		R006 R007 R008 R009 R010	1-247-163-00 1-247-143-00 1-247-143-00 1-247-843-00 1-247-143-00	CARBON CARBON CARBON	22K 3.3K 3.3K 3.3K 3.3K	5% 5%	1/4W 1/4W 1/4W 1/6W 1/4W	
0302 8-729-245-8 0303 8-729-245-8 0304 8-729-245-8 0305 8-729-245-8 0306 8-729-245-8	3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458		R012 R014 R015 R016 R020	1-247-115-00 1-247-135-00 1-247-847-00 1-247-155-00 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	1.5K 4.7K 10K	5% 5% 5% 5%	1/4W 1/4W 1/6W 1/4W 1/6W	
Q307 8-729-245-8 Q308 8-729-245-8 Q309 8-729-245-8 Q310 8-729-245-8 Q311 8-729-245-8	3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458 3 TRANSISTOR 2SC2458		R021 R022 R023 R025 R026	1-249-421-11 1-249-421-11 1-249-421-11 1-247-131-00 1-247-855-00		2.2K 2.2K	5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/6W	
Q313 8-729-204-8	3 TRANSISTOR 2SA1048GR		R027 R028	1-247-867-00 1-247-131-00			5% 5%	1/6W 1/6W	

V-25XBR W-724/APM-X3U



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R100 R106 R107 R108 R109	1-247-895-00 1-247-847-00 1-247-717-11 1-247-717-11 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	470K 4.7K 2.2K 2.2K 10K	5% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/6W		R162 R163 R164 R165 R166	1-247-131-00 1-247-131-00 1-249-421-11 1-249-421-11 1-246-411-00	CARBON CARBON CARBON CARBON CARBON	1K 1K 2.2K 2.2K 2.7	5% 5% 5% 5%	1/4W 1/4W 1/6W 1/6W 1/4W	
R110 R111 R112 R113 R114	1-247-855-00 1-247-823-00 1-247-885-00 1-247-855-00 1-247-717-11	CARBON CARBON CARBON CARBON	10K 470 180K 10K 2.2K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/4W		R167 R168 R169 R170 R171	1-206-696-00 1-247-717-11 1-247-155-00 1-247-155-00 1-247-831-00	METAL OXIDE CARBON CARBON CARBON CARBON	22K 2.2K 10K 10K 1K	5% 5% 5% 5%	2W 1/4W 1/4W 1/4W 1/6W	F .
R115 R118 R119 R120 R121 R122	1-247-819-00 1-247-131-00 1-247-831-00 1-247-871-00 1-247-871-00 1-247-163-00	CARBON CARBON CARBON CARBON CARBON CARBON CARBON	330 1K 1K 47K 47K 22K	5% 5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/6W 1/4W		R172 R173 R174 R175 R176	1-247-179-00 1-247-179-00 1-247-855-00 1-247-155-00 1-247-891-00	CARBON CARBON CARBON CARBON CARBON	100K 100K 10K 10K 330K	5% 5% 5% 5%	1/4W 1/4W 1/6W 1/4W 1/6W	
R123 R124 R125 R126 R127	1-247-717-11 1-247-849-00 1-247-167-00 1-247-851-00 1-247-835-00	CARBON CARBON CARBON CARBON CARBON	2.2K 5.6K 33K 6.8K 1.5K	5% 5% 5% 5%	1/4W 1/6W 1/4W 1/6W 1/6W	-	R177 R178 R179 R180 R181	1-247-855-00 1-247-717-11 1-247-717-11 1-249-421-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	10K 2.2K 2.2K 2.2K 2.2K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	
R128 R129 R130 R131 R132	1-247-857-00 1-247-855-00 1-247-167-00 1-247-887-00 1-247-153-00	CARBON CARBON CARBON CARBON CARBON	12K 10K 33K 220K 8.2K	5% 5% 5% 5%	1/6W 1/6W 1/4W 1/6W 1/4W		R182 R183 R185 R186 R187	1-249-421-11 1-247-877-00 1-247-855-00 1-247-855-00 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	2.2K 82K 10K 10K 2.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R133 R134 R135 R136 R137	1-247-873-00 1-247-895-00 1-247-895-00 1-247-889-00 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	56K 470K 470K 270K 2.2K	5% 5% 5% 5%	1/6W 1/6W 1/6W -1/6W 1/6W		R188 R189 R190 R191 R192	1-249-421-11 1-249-421-11 1-247-855-00 1-247-843-00 1-247-847-00	CARBON CARBON CARBON CARBON CARBON	2.2K 2.2K 10K 3.3K 4.7K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R138 R139 R140 R142 R143	1-247-125-00 1-247-717-11 1-247-717-11 1-247-107-00 1-247-717-11		1 1K 2.2K 2.2K 100 2.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R193 R194 R196 R197 R198	1-244-877-51 1-247-871-00 1-247-871-00 1-247-871-00 1-247-863-00	CARBON CARBON CARBON CARBON CARBON	1.5K 47K 47K 47K 22K	5% 5% 5% 5% 5%	1/2W 1/6W 1/6W 1/6W 1/6W	
R144 R145 R146 R147 R148	1-247-855-00 1-247-879-00 1-247-123-00 1-247-123-00 1-247-123-00	CARBON CARBON	10K 100K 470 470 470	5% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/4W		R199 R201 R202 R203 R204	1-247-855-00 1-247-837-00 1-247-857-00 1-247-855-00 1-215-457-00	CARBON CARBON CARBON CARBON METAL	10K 1.8K 12K 10K 33K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R149 R150 R151 R152 R153	1-247-143-00 1-247-143-00 1-247-115-00 1-247-871-00 1-247-855-00	CARBON CARBON CARBON CARBON	3.3K 3.3K 220 47K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/6W 1/6W		R205 R206 R208 R209 R211	1-215-457-00 1-247-863-00 1-247-883-00 1-247-883-00 1-247-831-00	ME TAL CARBON CARBON CARBON CARBON	33K 22K 150K 150K 1K	1% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R154 R155 R156 R157 R158	1-247-871-00 1-247-871-00 1-247-887-00 1-247-863-00 1-247-871-00	CARBON CARBON CARBON CARBON CARBON	47K 47K 220K 22K 47K	5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R215 R216 R218 R219 R220	1-247-883-00 1-247-815-00 1-247-845-00 1-247-817-00 1-247-801-00	CARBON CARBON CARBON CARBON CARBON	150K 220 3.9K 270 56	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R159 R160 R161	1-247-889-00 1-247-879-00 1-247-131-00	CARBON CARBON CARBON	270K 100K 1K	5% 5% 5%	1/6W 1/6W 1/4W	y.	R221 R223 R224	1-247-822-00 1-247-821-00 1-247-830-00	CARBON CARBON CARBON	430 390 910	5% 5% 5%	1/6W 1/6W 1/6W	

KV-25XBF RM-724/APM-X3



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Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R 225	1-247-827-00	CARBON	680	5%	1/6W		R331	1-247-807-00	CARBON	100	5%	1/6W	
R 226	1-247-807-00	CARBON	100 680	5% 5%	1/6W 1/6W		R332	1-247-821-00	CARBON CARBON	390 22K	5% 5%	1/6W 1/6W	
R 227 R 228	1-247-833-00	CARBON	1.2K	5%	1/6W		R334	1-247-829-00	CARBON	820	5%	1/6W	
R 229	1-247-803-00	CARBON	68	5%	1/6W		R335	1-247-831-00	CARBON	1K	5%	1/6W	
R 230	1-247-843-00	CARBON	3.3K	5%	1/6W		R336	1-247-897-00	CARBON	560K	5%	1/6W	•
R 231	1-247-846-00	CARBON	4.3K 6.8K	5% 5%	1/6W 1/6W		R337	1-247-895-00	CARBON CARBON	470K 330	5% 5%	1/6W 1/6W	
R 232 R 234	1-247-851-00	CARBON	2.2K	5%	1/6W		R340	1-247-871-00	CARBON	47K	5%	1/6W	
R235	1-247-821-00	CARBON	390	5%	1/6W		R341	1-247-857-00	CARBON	12K	5%	1/6W	
R236	1-247-107-00	CARBON	100	5%	1/4W		R342	1-247-855-00	CARBON	10K	5%	1/6W	
R237	1-247-795-00	CARBON	33	5%	1/6W		R345	1-247-155-00	CARBON	10K	5%	1/4W	
R 238	1-247-847-00	CARBON CARBON	4.7K 330	5% 5%	1/6W 1/6W		R346 R347	1-247-115-00	CARBON CARBON	220 2.2K	5% 5%	1/4W 1/6W	
R239 R241	1-212-367-00	METAL OXIDE	3.9	5%	1W	F	R348	1-247-815-00	CARBON	220	5%	1/6W	
R242	1-206-495-00	METAL OXIDE	2.2	5%	3W	F	R349	1-247-871-00	CARBON	47K	5%	1/6W	
R243	1-247-821-00	CARBON	390	5%	1/6W		R350	1-247-815-00	CARBON	220	5%	1/6W	
R244	1-247-115-00	CARBON CARBON	220 560	5% 5%	1/4W 1/6W		R351 R352	1-247-829-00	CARBON CARBON	820 10K	5% 5%	1/6W 1/4W	
R 245 R 250	1-247-825-00 1-206-453-00	METAL OXIDE	3.9	5%	2W	F	R353	1-247-863-00	CARBON	22K	5%	1/6W	
R251	1-247-119-00	CARBON	330	5%	1/4W		R354	1-246-537-00	CARBON	470K	5%	1/4W	
R 256	1-247-025-00	CARBON	3.9	5%	1/8W	F	R355	1-247-815-00	CARBON	220	5%	1/6W	
R 300	1-247-807-00	CARBON CARBON	100 33K	5% 5%	1/6W 1/6W		R356 R357	1-246-517-25	CARBON CARBON	68K 1M	5% 5%	1/4W 1/6W	
R 301 R 302	1-247-867-00 1-247-865-00	CARBON	27K	5%	1/6W		R359	1-247-827-00	CARBON	680	5%	1/6W	
R 303	1-247-833-00	CARBON	1.2K	5%	1/6W		R360	1-247-827-00	CARBON	680	5%	1/6W	
R 304	1-247-823-00		470	5%	1/6W		R361	1-247-823-00	CARBON	470	5%	1/6W	
R 305	1-247-833-00 1-247-835-00	CARBON CARBON	1.2K 1.5K	5% 5%	1/6W 1/6W		R362 R363	1-247-833-00	CARBON CARBON	1.2K 330	5% 5%	1/6W 1/6W	
R 306 R 307	1-247-827-00	CARBON	680	5%	1/6W		R364	1-247-833-00	CARBON	1.2K	5%	1/6W	
R 308	1-247-827-00	CARBON	680	5%	1/6W		R365	1-247-837-00	CARBON	1.8K	5%	1/6W	
R 309	1-247-827-00	CARBON	680	5%	1/6W		R366	1-247-841-00	CARBON	2.7K	5%	1/6W	
R 310 R 311	1-247-827-00 1-247-833-00	CARBON CARBON	680 1.2K	5% 5%	1/6W 1/6W		R367	1-247-847-00 1-247-123-00	CARBON CARBON	4.7K 470	5% 5%	1/6W 1/4W	
R312	1-247-833-00	CARBON	1.2K	5%	1/6W		R380	1-247-867-00	CARBON	33K	5%	1/6W	
R 313	1-247-835-00	CARBON	1.5K	5%	1/6W		R381	1-247-867-00	CARBON	33K	5%	1/6W	
R314	1-247-835-00	CARBON	1.5K	5%	1/6W		R382	1-247-855-00	CARBON	10K	5%	1/6W	
R315 R316	1-247-833-00 1-247-833-00	CARBON CARBON	1.2K 1.2K	5% 5%	1/6W 1/6W		R391 R392	1-247-865-00	CARBON CARBON	27K 3.9K	5% 5%	1/6W 1/6W	
R317	1-247-831-00	CARBON	1K	5%	1/6W		R393	1-247-815-00	CARBON	220	5%	1/6W	
	1-247-841-00	CARBON	2.7K	5%	1/6W		R394	1-247-819-00	CARBON	330	5%	1/6W	
R 31 8 R 31 9	1-247-841-00	CARBON	2.7K	5%	1/6W		R395	1-247-835-00	CARBON	1.5K	5%	1/6W	
R 320	1-247-841-00	CARBON	2.7K	5%	1/6W		R396	1-247-831-00	CARBON	1K	5%	1/6W	
R321	1-247-899-00	CARBON	680K	5%	1/6W		R397	1-247-855-00	CARBON	10K	5%	1/6W	
R322	1-247-865-00		27K	5%	1/6W		R398 R401	1-247-855-00 1-247-115-00	CARBON CARBON	220	5% 5%	1/6W 1/4W	
R 323 R 324	1-247-145-00 1-247-119-00		3.9K 330	5% 5%	1/4W 1/4W		R402	1-247-115-00	CARBON	220	5%	1/4W	
R325	1-247-863-00	CARBON	22K	5%	1/6W		R403	1-247-115-00	CARBON	220	5%	1/4W	
R326	1-247-843-00	CARBON	3.3K		1/6W		R404	1-247-849-00	CARBON	5.6K		1/6W	
R 327	1-247-845-00	CARBON	3.9K	5%	1/6W		R405 R406	1-247-839-00 1-247-833-00	CARBON CARBON	2.2K 1.2K		1/6W 1/6W	
R 328	1-247-829-00		820 2.2K	5%	1/6W 1/6W		R408	1-247-839-00	CARBON	2.2K		1/6W	
R 329 R 330	1-249-421-11		1K	5%	1/6W		R410	1-215-406-00		240	1%	1/6W	
14330	1 21,			- ,•	_,		R411	1-214-717-00		330	1%	1/4W	

V-25XBR 1-724/APM-X3U



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description	<u>on</u>			Remark
0.41.0	1-247-831-00	CARBON	1K	5%	1/6W		R477	1-247-131-00	CARBON	1K	5%	1/4W	
R412	1-247-179-00	CARBON	100K		1/4W		R478	1-247-131-00	CARBON	1K	5%	1/4W	
R414		CARBON	120K	5%	1/4W		R479	1-247-147-00	CARBON	4.7K	5%	1/4W	
R416	1-246-523-00	CARBON	22K	5%	1/4W		R480	1-215-406-00	METAL	240	1%	1/6W	
R417	1-247-163-00		10K	5%	1/6W		R481	1-247-805-00	CARBON	82	5%	1/6W	
R418	1-247-855-00	CARBON	101	376	1/08		1 1401	1-247-003-00	CARDON	02	V /0	1,011	
		CARRON	NOOK	C or	1970		0402	1 247 942 00	CADDON	3.3K	5%	1/6W	
R419	1-247-179-00	CARBON	100K	5%	1/4W		R482	1-247-843-00	CARBON				
R420	1-247-847-00	CARBON	4.7K	5%	1/6W		R483	1-247-843-00	CARBON	3.3K	5%	1/6W	
R421	1-214-717-00	METAL	330	1%	1/4W		R486	1-247-815-00	CARBON	220	5%	1/6W	
R422	1-247-163-00	CARBON	22K	5%	1/4W		R487B	1-247-804-00	CARBON	75	5%	1/6W	
R423	1-247-871-00	CARBON	47K	5%	1/6W		R488	1-247-717-11	CARBON	2.2K	5%	1/4W	
R424	1-247-131-00	CARBON	1K	5%	1/4W		R490	1-247-163-00	CARBON	22K	5%	1/4W	
R425	1-249-421-11	CARBON	2.2K	5%	1/6W		R493	1-247-863-00	CARBON	22K	5%	1/6W	
R426	1-247-177-00	CARBON	82K	5%	1/4W		i					•	
R427	1-214-753-00	METAL	10K	1%	1/4W		ĵ.	VAR	IABLE RESIS	STOR			
R428	1-247-885-00	CARBON	180K	5%	1/6W		i						
K420	1-247-003-00	G/ I// G/ I/	200	0,0	-,		RV 201	1-228-723-00	RES. AD.1.	CERAMIC CA	ARBON	4.7K	
0.420	1 247 120 00	CARBON	820	5%	1/4W			1-228-723-00		CERAMIC CA			
R429	1-247-129-00		10K	1%	1/4W			1-228-720-00		CERAMIC CA			
R431	1-214-753-00	METAL											
R435	1-247-115-00	CARBON	220	5%	1/4W			1-228-719-00		CERAMIC CA			
R436	1-247-115-00	CARBON	220	5%	1/4W		į KV 303	1-228-724-00	KEZ, ADJ,	CERAMIC CA	AKBUN	TUK	
R437	1-247-145-00	CARBON	3.9K	5%	1/4W							1.014	
				4.55				1-228-724-00		CERAMIC CA			
R438	1-214-915-00	METAL	120K		1/2W		RV401	1-228-724-00		CERAMIC CA			
R439	1-214-717-00	METAL	330	1%	1/4W		RV 402	1-228-724-00	RES, ADJ,	CERAMIC CA	ARBON	10K	
R440	1-247-843-00	CARBON	3.3K	5%	1/6W		RV 403	1-228-723-00	RES, ADJ,	CERAMIC CA	ARBON	4.7K	
R441	1-247-843-00	CARBON	3.3K	5%	1/6W		RV 404	1-228-719-00	RES, ADJ,	CERAMIC CA	ARBON	470	
R442	1-247-843-00	CARBON	3.3K	5%	1/6W		1			*			
11776	1-247-043-00	0					RV405	1-228-719-00	RES. ADJ.	CERAMIC CA	ARBON	470	
0442	1-247-834-00	CARBON	1.3K	5%	1/6W			1-228-722-00		CERAMIC CA			
R443		CARBON	680	5%	1/6W			/	,				
R444	1-247-827-00	CARBON	1.2K		1/6W			ETI	TER				
R445	1-247-833-00		10K	5%	1/6W		1	- 16	TEN				
R449	1-247-855-00	CARBON					CUE 201	1-404-479-00	CAUE AEMU	7			
R450	1-247-879-00	CARBON	100K	5%	1/6W		J SWL ZOI	1-404-4/3-00	SAME 45MIN	4			
		040000	1004	60	1.760			TOA	исформер				
R451	1-247-879-00	CARBON	100K	5%	1/6W		ļ	IRA	NSFORMER				
R452	1-247-879-00	CARBON	100K	5%	1/6W		!						
R453	1-247-849-00	CARBON	5.6K	5%	1/6W		T201	1-404-541-11	COIL				
R454	1-247-879-00	CARBON	100K	5%	1/6W		T202	1-404-467-00	COIL, VIF	*			
R455	1-215-453-00	METAL	22K	1%	1/6W		1 T203	1-404-467-00	COIL, VIF				
							T204	1-404-505-00	COIL				
R456	1-215-432-00	METAL	3K	1%	1/6W		T205	1-404-489-00	COIL				
R457	1-215-421-00	METAL	1K	1%	1/6W		1 .						
R459	1-247-869-00	CARBON	39K	5%	1/6W		T301	1-425-786-00	TRANSFORME	ER, BANDPAS	SS(BP1	(1)	
R460	1-247-855-00	CARBON	10K	5%	1/6W								
	1-247-847-00	CARBON	4.7K	5%	1/6W		i	TUN	ER				
R461	1-247-047-00	0/11/00/1			-,		i						
0.462	1 247 021 00	CARBON	1K	5%	1/6W		TUTOTA	1-463-470-00	TUNER FT	(RT-896)	90-1	10-100	0.76.11
R462	1-247-831-00	CARBON	îĸ	5%	1/6W		181810		SEASIEN STREET	NEW TELEVIL	The Control of The Control	Later in Salahasan in .	
R463	1-247-831-00		100	5%	1/4W			COV	STAL				
R464	1-247-107-00	CARBON					1	CNI	SIAL				
R465	1-247-107-00	CARBON	100	5%	1/4W		V101	1 567 100 11	OCCULATO	CEDAMIC			
R466	1-247-107-00	CARBON	100	5%	1/4W		X101	1-567-192-11	OSCILLATOR	CERAMIC			
							X102	1-567-254-11					
R467	1-247-103-00	CARBON	68	5%	1/4W		X301	1-527-722-00	OSCILLATOR	R, CRYSTAL			
R468	1-247-103-00	CARBON	68	5%	1/4W		1						P
R469	1-247-103-00	CARBON	68	5%	1/4W		1						,
R470	1-247-899-00	CARBON	680K	5%	1/6W		1						48%
R471	1-247-855-00	CARBON	10K	5%	1/6W		1						
11.47.1	1-247-000-00	J					İ						
D 472	1-247-891-00	CARBON	330K	5%	1/6W		i						•
R472			1K	5%	1/4W		i						
R475	1-247-131-00	and the second	îĸ	5%	1/4W		i						
R476	1-247-131-00	CUUDON	ŤV	A 10	71 4ü		,						

KV-25XBF RM-724/APM-X31

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*1-613-419-21 M BOARD ********* ******** ******* *******													
R1301 1-02-978-00 CERAMIC 220PF 5X 50V R1301 1-247-717-11 CARBON 2.2K 5X 1/4W	ef.No.	Part No.	Description			Remark	Ref.No.	Part No.	Descript	ion			Rema
CAPACITOR	*	1-613-419-21	M BOARD					RES	ISTOR	,			
1301 1-102-978-00 CERAMIC 220FF 5% 50V R1303 1-247-717-11 CARBON 2.2% 5% 1/4W		CAP								2.2K	5%		
1302 1-102-978-00 CERAMIC 200F 5% 50V 1300 1-247-717-11 CARBON 2.2K 5% 1/4W 1300 1-123-318-00 ELECT 33WF 20% 16V 1307 1-247-717-11 CARBON 2.2K 5% 1/4W 1300 1-123-318-00 ELECT 33WF 20% 16V 1307 1-247-717-11 CARBON 2.2K 5% 1/4W 1300 1-123-318-00 ELECT 33WF 20% 16V 1300 1-247-717-11 CARBON 2.2K 5% 1/4W 1300 1-123-333-00 ELECT 100WF 20% 16V 1300 1-247-717-11 CARBON 2.2K 5% 1/4W 1300 1-123-28-00 CERAMIC 300P 5% 50V 8130 1-247-717-11 CARBON 2.2K 5% 1/4W 1300 1-102-024-00 CERAMIC 60PF 5% 50V 81310 1-247-717-11 CARBON 2.2K 5% 1/4W 1300 1-102-074-00 CERAMIC 0.001WF 10% 50V 81311 1-247-717-11 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81312 1-247-717-11 CARBON 47K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81313 1-247-717-11 CARBON 47K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81313 1-247-717-11 CARBON 47K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-599-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-599-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-199-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-199-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-199-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-199-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-199-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-199-00 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001WF 10% 50V 81315 1-245-199-00 CARBON 1.2K													
1306 1-123-318-00 ELECT 33MF 20% 16V R1306 1-247-717-11 CARBON 2.2% 5% 1/4W 1305 1-102-109-00 MYLAR 0.01MF 10% 100V R1307 1-247-717-11 CARBON 2.2% 5% 1/4W 1307 1-102-822-00 CERANIC 390PF 5% 50V R1310 1-247-717-11 CARBON 2.2% 5% 1/4W 1308 1-10-188-00 CERANIC 0.001MF 10% 50V R1311 1-247-717-11 CARBON 2.2% 5% 1/4W 1313 1-102-074-00 CERANIC 0.001MF 10% 50V R1312 1-247-717-10 CARBON 47% 5% 1/4W 1313 1-102-074-00 CERANIC 0.001MF 10% 50V R1313 1-247-171-00 CARBON 47% 5% 1/4W 1313 1-102-074-00 CERANIC 0.001MF 10% 50V R1313 1-227-171-00 CARBON 2.2% 5% 1/4W 1313 1-102-074-00 CERANIC 0.001MF 10% 50V R1313 1-227-171-00 CARBON 47% 5% 1/4W 1313 1-102-074-00 CERANIC 0.001MF 10% 50V R1313 1-247-137-00 CARBON 47% 5% 1/4W 1313 1-102-074-00 CERANIC 0.001MF 10% 50V R1315 1-247-137-00 CARBON 47% 5% 1/4W 1310 8-719-911-19 0100E ISSI19 R1321 1-247-133-00 CARBON 47% 5% 1/4W 1310 8-719-911-19 0100E ISSI19 R1321 1-247-133-00 CARBON 47% 5% 1/4W 1310 8-719-911-19 0100E ISSI19 R1322 1-247-177-11 CARBON 2.2% 5% 1/4W 1310 8-719-911-19 0100E ISSI19 R1322 1-247-177-11 CARBON 2.2% 5% 1/4W 1310 8-719-911-19 0100E ISSI19 R1322 1-247-177-11 CARBON 2.2% 5% 1/4W 1312 8-719-911-19 0100E ISSI19 R1322 1-247-177-11 CARBON 2.2% 5% 1/4W 1312 8-719-911-19 0100E ISSI19 R1322 1-247-177-11 CARBON 2.2% 5% 1/4W 1312 8-719-911-19 0100E ISSI19 R1322 1-247-177-11 CARBON 2.2% 5% 1/4W 1312 8-719-911-19 0100E ISSI19 R1323 1-247-717-11 CARBON 2.2% 5% 1/4W 1312 8-719-911-19 0100E ISSI19 R1323 1-247-717-11 CARBON 2.2% 5% 1/4W 1312 8-719-911-19 0100E ISSI19 R1323 1-247-717-11 CARBON 2.2% 5% 1/4W 1312 8-719-911-19 0100E ISSI19 R1323	1302	1-102-978-00	CERAMIC	220PF		50V							
1306 1-123-333-00 ELECT 100MF 20% 16V R1309 1-247-717-11 CARBON 2.2K 5% 1/4W 1309 1-101-888-00 CERAMIC 68PF 5% 50V 1310 1-247-717-11 CARBON 2.2K 5% 1/4W 1309 1-102-074-00 CERAMIC 0.001MF 10% 50V R1311 1-247-717-11 CARBON 2.2K 5% 1/4W 1310 1-102-074-00 CERAMIC 0.001MF 10% 50V R1312 1-247-717-11 CARBON 2.2K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001MF 10% 50V R1313 1-247-717-11 CARBON 1.0K 5% 1/4W 1311 1-102-074-00 CERAMIC 0.001MF 10% 50V R1314 1-247-717-11 CARBON 1.0K 5% 1/4W 1313 1-102-074-00 CERAMIC 0.001MF 10% 50V R1314 1-247-717-11 CARBON 2.2K 5% 1/4W 1313 1-102-074-00 CERAMIC 0.001MF 10% 50V R1314 1-247-717-11 CARBON 2.2K 5% 1/4W 1313 1-102-074-00 CERAMIC 0.001MF 10% 50V R1314 1-247-117-10 CARBON 2.0K 5% 1/4W 1313 1-102-074-00 CERAMIC 0.001MF 10% 50V R1314 1-247-117-10 CARBON 2.0K 5% 1/4W 1313 1-247-117-10 CARBON 1.0K 5% 1/4W 1313 1-247-117-10 CARBON 2.2K 5% 1/4W 131	1304	1-123-318-00	ELECT	33MF		16V	R1307	1-247-717-11	CARBON	2.2K	5%	1/4W	
1309 1-102-074-00 CERAMIC 0.001MF 10% 50V R1311 1-247-717-11 CARBON 2.2K 5% 1/4W R1311 1-102-074-00 CERAMIC 0.001MF 10% 50V R1313 1-247-171-00 CARBON 47K 5% 1/4W R1313 1-102-074-00 CERAMIC 0.001MF 10% 50V R1315 1-246-529-00 CARBON 2.2K 5% 1/4W R1313 1-102-074-00 CERAMIC 0.001MF 10% 50V R1315 1-246-529-00 CARBON 2.2K 5% 1/4W R1313 1-102-074-00 CERAMIC 0.001MF 10% 50V R1315 1-246-529-00 CARBON 2.2K 5% 1/4W R1314 1-102-074-00 CERAMIC 0.001MF 10% 50V R1315 1-247-171-10 CARBON 2.2K 5% 1/4W R1313 1-247-171-10 CARBON 2.2K 5% 1/4W R1313 1-247-171-10 CARBON 2.2K 5% 1/4W R1314 1-247-171-10 CARBON 2.2K 5% 1/4W R1315 1-247-171-10 CARBON 2.2K 5% 1/4W R1316 R139-191-19 DIODE ISSI19 R1322 1-247-171-10 CARBON 1.2K 5% 1/4W R1318 1-247-171-11 CARBON 2.2K 5% 1/4W R1319 R1329 R1321 R139-191-19 DIODE ISSI19 R1322 1-247-171-11 CARBON 2.2K 5% 1/4W R1318 R-719-911-19 DIODE ISSI19 R1322 R139-911-19 DIODE ISSI19 R1324 R-719-911-19 DIODE ISSI19 R1324 R-719-911-19 DIODE ISSI19 R1324 R-719-911-19 DIODE ISSI19 R1324 R-719-911-19 DIODE ISSI19 R1326 R-719-911-19 DIODE ISSI19 R1326 R-719-911-19 DIODE ISSI19 R1327 R-719-110 CARBON 2.2K 5% 1/4W R1329 R-719-911-19 DIODE ISSI19 R1328 R-719-911-19 DIODE ISSI19 R1327 R-719-110 CARBON 2.2K 5% 1/4W R1329 R-719-911-19 DIODE ISSI19 R1327 R-719-110 CARBON 2.2K 5% 1/4W R1329 R-719-911-19 DIODE ISSI19 R1321 R-719-911-19 DIODE ISSI19 R1327 R-719-110 CARBON 2.2K 5% 1/4W R1329 R-719-911-19 DIODE ISSI19 R1327 R-719-110 CARBON 2.2K 5% 1/4W R1329 R-719-910-750 DIODE ISSI19 R1329 R-719-910-750 CARBON 2.2K 5% 1/4W R1329 R-719-910-750 CARBON 2.2K 5% 1/4W R1329 R-719-910-750 CARBON 2.2K 5% 1/4W	1307	1-102-822-00	CERAMIC	390PF	5%	50V	R1309	1-247-717-11	CARBON	2.2K	5%	1/4W	
1311 1-102-074-00 CERAMIC 0.001MF 10% 50V 13131 1-247-171-11 CARBON 2.2% 5% 1/4W 1313 1-102-074-00 CERAMIC 0.001MF 10% 50V 13131 1-247-147-00 CERAMIC 0.001MF 10% 50V 13131 1-247-147-00 CARBON 2.2% 5% 1/4W 13131 1-102-074-00 CERAMIC 0.001MF 10% 50V 13131 1-247-147-00 CARBON 4.7% 5% 1/4W 13131 1-247-133-00 CARBON 1.2% 5% 1/4W 13131 1-247-133-00 CARBON 1.2% 5% 1/4W 1310 8-719-911-19 0100E 1SS119 1310 8-719-911-19 0100E 1SS119 1310 8-719-911-19 0100E 1SS119 1312 8-719-911-19 0100E 1SS119 13132 1-247-173-11 CARBON 2.2% 5% 1/4W 1310 8-719-911-19 0100E 1SS119 13132 1-247-173-11 CARBON 2.2% 5% 1/4W 1313 8-719-911-19 0100E 1SS119 1313 8-719-911-19 0100E 1SS119 1313 8-719-911-19 0100E 1SS119 1313 8-719-911-19 0100E 1SS119 1313 8-719-911-19 0100E 1SS119 1313 8-719-911-19 0100E 1SS119 1313 8-719-911-19 0100E 1SS119 1313 8-719-911-19 0100E 1SS119 1313 131	1309	1-102-074-00	CERAMIC	0.001MF	10%	50V	I R1312	1-247-171-00	CARBON	47K	5%	1/4W	
1312 1-102-074-00 CERAMIC 0.001MF 10% 50V 1313 1-102-074-00 CERAMIC 0.001MF 10% 50V 1314 1-102-074-00 CERAMIC 0.001MF 10% 50V 1314 1-102-074-00 CERAMIC 0.001MF 10% 50V 1314 1-247-133-00 CARBON 4,7K 5% 1/4W 1315 1-247-133-00 CARBON 4,7K 5% 1/4W 1305 8-719-911-19 DIODE ISS119 R1320 1-247-107-00 CARBON 470 5% 1/4W 1305 8-719-911-19 DIODE ISS119 R1320 1-247-107-00 CARBON 10K 5% 1/4W 1306 8-719-911-19 DIODE ISS119 R1320 1-247-107-00 CARBON 10K 5% 1/4W 1310 8-719-911-19 DIODE ISS119 R1321 1-247-107-00 CARBON 10K 5% 1/4W 1313 8-719-911-19 DIODE ISS119 R1322 1-247-717-11 CARBON 2.2K 5% 1/4W 1313 8-719-911-19 DIODE ISS119 R1321 1-247-717-11 CARBON 2.2K 5% 1/4W 1314 8-719-911-19 DIODE ISS119 R1326 1-247-717-11 CARBON 2.2K 5% 1/4W 1316 8-719-911-19 DIODE ISS119 R1327 1-247-119-00 CARBON 330 5% 1/4W 1317 8-719-911-19 DIODE ISS119 R1327 1-247-119-00 CARBON 22K 5% 1/4W 1320 8-719-911-19 DIODE ISS119 R1327 1-247-717-11 CARBON 2.2K 5% 1/4W 1322 8-719-910-258 DIODE RD3.6E-N2 R1331 1-247-717-11 CARBON 2.2K 5% 1/4W 1322 8-719-102-58 DIODE RD3.6E-N2 R1331 1-247-717-11 CARBON 2.2K 5% 1/4W R1333 1-247-717-11 CARBON 2.2K 5% 1/4W R1333 1-247-717-11 CARBON 2.2K 5% 1/4W R1333 1-247-717-11 CARBON 2.2K 5% 1/4W R1339 1-247-717-11 CARBON 2.2K 5% 1/4W R1339 1-247-717-11 CARBON 2.2K 5% 1/4W R1339 1-247-717-11 CARBON 2.2K 5% 1/4W R1339 1-247-717-11 CARBON 2.2K 5% 1/4W R1339 1-247-717-11 CARBON 2.2K 5% 1/4W R1339 1-247-717-11 CARBON 2.2K 5% 1/4W R1330 1-247-717-11 CARBON 2.2K 5% 1/4W R1330 1-247-717-11 CARBON 2.2K 5% 1/4W R1330 1-247-717-11 CARBON 2.2K 5% 1/4W R1330 1-247-717-11 CARBON 2.2		1 100 074 00	CCDANIC	0.00145	100	FOU							
R1317 1-247-133-00 CARBON 1 .2K 5% 1/4W	1312 1313	1-102-074-00 1-102-074-00	CERAMIC	0.001MF 0.001MF	10% 10%	50V 50V	R1315	1-246-529-00	CARBON	220K	5%	1/4W	
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1306 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)	1314	1-102-074-00	CERAMIC	0.001MF	10%	50V	R1316			4.7K	5%		
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P 8 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)		DIO	DE				I R1317						
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P 8 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)			_				R1319	1-247-107-00	CARBON	100	5%	1/4W	
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR TRANSISTOR 25C2458 S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1303 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 25C2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY)	1306	8-719-911-19	DIODE 188119))			R1320 R1321			W9-			
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P 8 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)	1308	8-719-911-19	DIODE 188119)			R1322	1-247-717-11	CARBON	2.2K	5%	1/4W	
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P 8 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)	1310	8-719-911-19	DIODE 155119	9			R1323	1-247-717-11					
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P 8 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)	1314	8-719-911-19	DIODE 188119				R1325	1-247-155-00	CARBON	10K	5%	1/4W	
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1306 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)				,			R1325						
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1306 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)) (4.1)			R1328	1-247-091-00	CARBON	22	5%	1/4W	
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1306 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)) E-N2			R1329						
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P 8 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)							R1331 R1332	1-247-717-11	CARBON				
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 4P SWITCH TRANSISTOR TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1304 1-553-976-00 SWITCH, PUSH S1306 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)							R1333						
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR TRANSISTOR 25C2458 S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1303 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 25C2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY)	C1301	8-759-909-49	IC CX23040				I R1334						
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR TRANSISTOR 25C2458 S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1303 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 25C2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY)		C01	L				1	84				•	
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR TRANSISTOR 25C2458 S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1303 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 25C2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY)	1201	1_407_706_00	MICEO INDUCT	OR TOOLS			R1336						
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR TRANSISTOR 25C2458 S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1303 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 25C2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY)	1301	1-407-703-00	MIEKO IMDOCI	OK 100011			R1338	1-247-717-11	CARBON				
2 *1-564-354-21 PLUG, CONNECTOR (2.5MM) 3P R1341 1-247-717-11 CARBON 2.2K 5% 1/4W 3 *1-564-442-11 PLUG, CONNECTOR (2.5MM) 6P R1342 1-247-717-11 CARBON 2.2K 5% 1/4W 5 *1-564-440-11 PLUG, CONNECTOR (2.5MM) 6P SWITCH TRANSISTOR TRANSISTOR TRANSISTOR 25C2458 S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1303 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 25C2458 S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 25C2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY)		CON	NECTOR				R1339	1-247-717-11	CARBON	2.2K	5%		
TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)	1 ,	*1-564-354-00	PLUG, CONNEC	TOR (2.5MM)	3P		R1340	1-24/-/1/-11	CARBON	2.2K	5%	1/4W	
TRANSISTOR S1301 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 1-553-976-00 SWITCH, PUSH S1302 8-729-245-83 TRANSISTOR 2SC2458 S1303 1-553-976-00 SWITCH, PUSH S1304 1-553-976-00 SWITCH, PUSH S1303 8-729-245-83 TRANSISTOR 2SC2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)	2 1	*1-564-354-21 *1-564-442-11 *1-564-440-11	PLUG, CONNEC	TOR (2.5MM) TOR (2.5MM) TOR (2.5MM)	3P 6P 4P		R1341 R1342	1-247-717-11 1-247-717-11	CARBON CARBON				
S1302 1-553-976-00 SWITCH, PUSH	8 *	*1-564-442-11	PLUG, CONNEC	TOR (2.5MM)	6P		į	SWI	TCH				
1301 8-729-245-83 TRANSISTOR 2SC 2458 S1303 1-553-976-00 SWITCH, PUSH 1302 8-729-245-83 TRANSISTOR 2SC 2458 S1304 1-553-976-00 SWITCH, PUSH 1303 8-729-245-83 TRANSISTOR 2SC 2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY) S1306 1-570-061-11 SWITCH, PUSH (8 KEY)		TRA	NSISTOR										*
1303 8-729-245-83 TRANSISTOR 2SC2458 S1305 1-570-061-11 SWITCH, PUSH (8 KEY)							\$1303	1-553-976-00	SWITCH,	PUSH			
S1306 1-570-061-11 SWITCH, PUSH (8 KEY)							51304	1-553-9/6-00	SWITCH,	PUSH (8 KEY)		
S1307 1-570-061-11 SWITCH, PUSH (8 KEY)							\$1306	1-570-061-11	SWITCH,	PUSH (8 KEY) .		

(V-25XBR M-724/APM-X3U



VIII.												
Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description				Remark
\$1308	1-570-061-11 1-553-976-00	SWITCH, PUSH	(8 KEY)			C764	1-123-321-00	ELECT	220MF		20%	16V
\$1310	1-570-061-11 1-553-976-00	SWITCH, PUSH	(8 KEY)				DIO	<u>DE</u>				
	1-570-061-11		(8 KEY)		,	D701 D702	8-719-911-19 8-719-911-19					
\$1313	1-570-061-11 1-570-062-11	SWITCH, PUSH	(8 KEY)			D703	8-719-911-19 8-719-911-19	DIODE 15511	9			
\$1317	1-570-062-11	SWITCH, PUSH	(2 KEY)			D705 ·	8-719-911-19					
	1-570-061-11 1-554-824-11		(1 KEY)			D706	8-719-911-19	DIODE 18811	.9			
\$1322	1-554-824-11	SWITCH, PUSH	(1 KEY)				<u>C01</u>	<u>L</u>				
	CRY	STAL				L701 L702	1-407-701-00 1-407-701-00					
X1301	1-527-476-00	OSCILLATOR,	CERAMIC				1-407-701-00	MICRO INDUC	TOR 47UH			
*****	****	*****	*****	*****	*****		1-459-598-11			RUM' TY	PE)	
	*A-1330-620-A	C BOARD, COM	PLETE			L751	1-407-697-00	MICRO INDUC	TOR 22UH			
and the state of t	Δ 1 - F 2 - F 1 -		*	bibati katananga	10 mm - 10 mm	į	TRA	NSISTOR				
	1-526-644-71		MO82AJ - UU-		HIJIS I	Q701	8-729-245-83					
		NECTOR				Q703	8-729-326-11 8-729-245-83	TRANSISTOR	2SC 2458			
C1 C2 C4	*1-506-371-00 *1-564-353-00 *1-508-765-00	PLUG, CONNEC	TOR (2.5MM)	2P		Q704 Q705	8-729-326-11 8-729-245-83					
• •		ACITOR					8-729-326-11 8-729-245-83					•
C 701	1-102-155-00	CERAMIC	330PF	20%	2KV	Q752 Q753	8-729-245-83 8-729-245-83					
C 702 C 703	1-129-779-00 1-123-383-00		0.022MF 4.7MF	20% 20%	1KV 100V	Q754	8-729-103-43					
C 704 C 705	1-121-759-00 1-161-830-00	ELECT CERAMIC	4.7MF 0.0047MF		250V 500V	0755 0756	8-729-177-43 8-729-177-43					
C 706	1-129-714-00		0.01MF	10%	630V	Q757	8-729-245-83					
C708		CERAMIC	560PF 560PF	10%	50V 50V	İ	RES	ISTOR				
C 709 C 710	1-102-116-00	CERAMIC	680PF	10%	50V 50V	R701 R702	1-202-846-00 1-202-720-00		470K 1.2M	10%	1/2W 1/2W	
C711	1-102-125-00	CERAMIC	0.0047MF			R703	1-202-844-00	SOLID	330K	10%	1/2W	
. C712 . C713	1-123-356-00 1-102-074-00	CERAMIC	10MF 0.001MF	20% 10%	25V 50V	R704 R705	1-202-836-00 1-202-846-00		56K 470K		1/2W 1/2W	
C714 C715	1-102-074-00 1-102-074-00		0.001MF	10% 10%	50V 50V	R707	1-202-842-51		220K		1/2W	
C751	1-102-971-00	CERAMIC	82PF	5%	50V		1-202-824-00 1-202-824-00		3.3K 3.3K		1/2W 1/2W	
C 752 C 753	1-106-178-00 1-106-212-00		0.0018MF 0.047MF	10%	100V 100V	R711	1-202-549-00			10%	1/2W	
C 754 C 755	1-123-356-00 1-102-980-00	ELECT CERAMIC	10MF 270PF	20% 5%	25V 50V	R712	1-202-543-00 1-202-824-00	SOLID	56 3.3K	10%	1/2W 1/2W	
C756	1-106-196-00	MYLAR	0.01MF	10%	100V	R714 R715	1-247-107-00	CARBON CARBON	100 330	5% 5%	1/4W 1/6W	
C 758	1-106-196-00	MYLAR	0.01MF	10% 10%	100V 100V	R716	1-247-817-00	CARBON	270	5%	1/6W	
C760 C761	1-106-196-00 1-106-220-00	MYLAR MYLAR	0.01MF 0.1MF	10%	1007	R717	1-249-421-11	CARBON	2.2K		1/6W	
C762 C763	1-1 0 6-196-00 1-123-356-00	MYLAR	0.01MF 10MF	10% 20%	100V 50V	R718	1-247-783-00 1-247-841-00	CARBON CARBON	10 2.7K	5% 5%	1/6W 1/6W	



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description			Remark
R720 R722 R723 R724	1-247-823-00 1-206-747-00 1-247-819-00 1-247-817-00	CARBON METAL OXIDE CARBON CARBON	470 8.2K 330 270	5% 5% 5% 5%	1/6W 3W 1/6W 1/6W	F		*4-363-404-00 4-363-414-00 4-374-104-01	HOLDER, IC SPACER, MICA HOLDER, TR			
R725	1-249-421-11	CARBON	2.2K	5%	1/6W			CAP	ACITOR			
R726 R727 R728 R730 R731	1-247-783-00 1-247-835-00 1-247-817-00 1-206-747-00 1-247-819-00	CARBON CARBON CARBON METAL OXIDE CARBON	10 1.5K 270 8.2K 330	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 3W 1/6W	F	C602 C603 C604 C605 C606	1-123-333-00 1-102-125-00 1-102-125-00 1-123-333-00 1-123-360-00	ELECT CERAMIC CERAMIC ELECT ELECT	100MF 0.0047MF 0.0047MF 100MF 100MF	20% 10% 10% 20% 20%	16V 50V 50V 25V 50V
R732 R733 R734 R735 R737	1-247-813-00 1-249-421-11 1-247-841-00 1-247-777-00 1-206-747-00	CARBON CARBON CARBON CARBON METAL OXIDE	180 2.2K 2.7K 5.6 8.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 3W	F	C607 C608 C610 C611 C612	1-123-356-00 1-123-330-00 1-123-335-00 1-123-360-00 1-123-332-00	ELECT ELECT ELECT ELECT ELECT	10MF 22MF 330MF 100MF 47MF	20% 20% 20% 20% 20%	16V 16V 25V 50V 16V
R751 R752 R753 R754 R755	1-247-815-00 1-247-815-00 1-247-833-00 1-247-829-00 1-213-147-00	CARBON CARBON CARBON CARBON METAL OXIDE	220 220 1.2K 820 2.2K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/W	F	C621 A	1-123-333-00 1-101-002-00 1-136-311-51 \1-130-678-51 \1-161-744-51	FILM	100MF 0.0022MF 0.47MF 0.047MF 0.01MF	20%	25V 50V 300V 125V 400V
R756. R757 R758 R759. R760	1-247-825-00 1-247-849-00 1-247-867-00 1-247-783-00 1-247-819-00	CARBON CARBON CARBON CARBON CARBON	560 5.6K 33K 10 330	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		C624 A	\(\frac{1-161-953-51}{5} \frac{1-161-953-51}{5} \frac{1-161-953-51}{5} \frac{1-161-953-51}{1-125-295-00}		0.0047MF 0.0047MF 0.01MF 0.0047MF 560MF	20% 20% 20% 20% 20%	400V 400V 400V 400V 200V
R761 R762 R764 R765 R766	1-247-815-00 1-247-815-00 1-247-831-00 1-247-775-00 1-247-867-00	CARBON CARBON CARBON CARBON CARBON	220 220 1K 4.7 33K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		C628 C629 C630 C1501 C1502	1-125-295-00 1-161-953-00 1-161-953-00 1-102-117-00 1-162-117-00	ELECT(BLOCK) CERAMIC GERAMIC CERAMIC CERAMIC	560MF 0.0047MF 0.0047MF 820PF 100PF	20% 20% 20% 10% 10%	200V 400V 400V 50V 500V
R767 R768 R769 R771 R772	1-247-855-00 1-247-867-00 1-247-831-00 1-247-871-00 1-247-791-00	CARBON CARBON CARBON CARBON CARBON	10K 33K 1K 47K 22	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		C1503 C1504 C1505 C1507 C1508	1-106-172-00 1-123-380-00 1-106-212-00 1-108-595-00 1-106-192-00	MYLAR ELECT MYLAR MYLAR MYLAR	0.001MF 1MF 0.047MF 0.047MF 0.0068MF	10% 20% 10% 5% 10%	100V 50V 100V 50V 100V
R773 R776	1-247-801-00 1-247-775-00 VAR	CARBON CARBON IABLE RESISTOR	56 4.7	5% 5%	1/6W 1/6W			1-106-220-00 1-106-204-00 1-123-356-00 1-123-381-00	MYLAR MYLAR ELECT ELECT	0.1MF 0.022MF 10MF 2.2MF	10% 10% 20% 20%	100V 100V 16V 50V
RV 701 RV 702 RV 703 RV 704 RV 705	1-226-157-00 1-230-105-00 1-230-617-11 1-230-105-00 1-230-617-11	RES, ADJ, MET RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR	TAL GLA RBON 3. RBON 1K RBON 3.	3K 3K			C1513 C1514 C1515 C1516 C1517	1-130-868-00 1-123-356-00 1-123-356-00 1-102-820-00 1-123-321-00	FILM ELECT ELECT CERAMIC ELECT	0.0056MF 10MF 10MF 330PF 220MF	5% 20% 20% 5% 20%	16V 16V 50V 16V
RV 707	1-230-105-00 1-230-105-00	RES, ADJ, CAR	RBON 3.	. 3K	*****	*****	C1519 C1520	1-123-447-00 1-136-891-11 1-123-379-00 1-123-380-00	FILM ELECT ELECT	0.22MF 0.47MF 0.47MF	20% 5% 20% 20%	50V 50V 50V
******	*A-1345-483-A		LETE				C1522	1-123-360-00 1-106-172-00 1-123-379-00	MYLAR ELECT	0.001MF 0.47MF	10%	100V 50V
	*1-508-765-00 *4-329-153-00	3P PLUG (M)					C1524 C1525 C1526	1-106-204-00 1-123-369-00 1-123-323-00	MYLAR ELECT ELECT	0.022MF 4.7MF 470MF	10% 20% 20%	100V 50V 16V

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Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C1528 C1529 C1530	1-106-190-00 1-106-204-00 1-102-030-00 1-123-357-00 1-102-038-00	MYLAR MYLAR CERAMIC ELECT CERAMIC	0.0056MF 0.022MF 330PF 22MF 0.001MF	10% 10% 10% 20%	100V 100V 500V 50V 500V	C1651 C1652 C1653	1-106-212-00 1-123-364-00 1-102-038-00 1-108-429-00 1-102-223-00	ELECT CERAMIC MYLAR	0.047MF 1000MF 0.001MF 0.047MF 0.0047MF	10% 20% 10% 10%	100V 50V 500V 200V 2KV
C1535 C1536 C1538	1-123-356-00 1-106-190-00 1-123-232-00 1-102-117-00 1-123-332-00	ELECT MYLAR ELECT CERAMIC ELECT	10MF 0.0056MF 4.7MF 820PF 47MF	20% 10% 20% 10% 20%	16V 100V 50V 50V 25V	C1658	1-123-336-00	ELECT ELECT ELECT	820PF 470MF 100MF 10MF 0.027MF	10% 20% 20% 20% 10%	500V 25V 160V 100V 200V
C1542 C1543 C1544	1-102-157-00 1-123-332-00 1-102-030-00 1-108-437-00 1-108-431-00	CERAMIC ELECT CERAMIC MYLAR MYLAR	560PF 47MF 330PF 0.22MF 0.068MF	10% 20% 10% 10% 10%	500V 16V 500V 200V 200V	C1661 C1662 C1663	1-123-379-00 1-102-244-00 1-106-367-00 1-162-134-51 1-136-317-11	CERAMIC MYLAR CERAMIC	0.47MF 220PF 0.01MF 470PF 0.025MF		
C1547 C1548 C1549	1-102-212-00	ELECT ELECT CERAMIC MYLAR MYLAR	3.3MF 10MF 820PF 0.047MF 0.047MF	20% 20% 10% 10% 10%	160V 50V 500V 200V 200V	C1666 C1667	1-162-115-51 1-106-351-00 1-136-315-51 1-129-704-51 1-123-332-00	MYLAR FILM	330PF 80- 0.0022MF 0.047MF 0- 0.0015MF 47MF	10% 5%	200V 630V
C1552 C1553 C1555	1-124-609-11 1-123-380-00 1-123-357-00 1-106-172-00 1-106-188-00	ELECT ELECT ELECT MYLAR MYLAR	470MF 1MF 22MF 0.001MF 0.0047MF	10% 20% 20% 10% 10%	50V 50V 50V 100V 100V	C1671 C1672 C1673	1,1-136-053-11 1-106-172-00 1-108-431-00 1-136-179-11 1-136-184-00	MYLAR MYLAR FILM	0.001MF 0.068MF	10% 10%	200V 100V 200V 200V 250V
C1557 C1558 C1559 C1567 C1572	1-102-212-00 1-101-004-00	FILM CERAMIC CERAMIC CERAMIC MYLAR	0.47MF 820PF 0.01MF 330PF 0.01MF	5% 10% 10% 10%	50V 500V 50V 50V 100V	C1676	1-162-115-51 1-108-429-00 1-102-233-00	MYLAR	330PF 0.047MF 33PF	10% 10% 10%	2KV 200V 500V
C1573 C1574 C1575 C1576 C1577	1-106-204-00 1-106-196-00 1-106-212-00	ELECT MYLAR MYLAR MYLAR MYLAR	1MF 0.022MF 0.01MF 0.047MF 0.047MF	20% 10% 10% 10% 10%	50V 100V 100V 100V 100V	D1 D2 D3 D4 D5	*1-564-353-00 *1-564-444-11 *1-508-766-00 *1-564-441-11 *1-564-440-11	PLUG, CONNEC 4P PLUG (M)	TOR (2.5MM) TOR (2.5MM)	8P 5P	
C1578 C1579 C1591 C1592 C1593	1-123-330-00 1-123-356-00 1-123-356-00	ELECT ELECT ELECT ELECT ELECT	0.47MF 22MF 10MF 10MF 0.47MF	20% 20% 20% 20% 20%	50V 25V 25V 25V 25V 50V	D6 D8 D10 D11 D12	*1-508-766-00 *1-508-765-00 *1-508-765-00 *1-508-767-00 *1-560-125-00	3P PLUG (M) 3P PLUG (M)	TOR (2.5MM)	5P	
C1594 C1595 C1596 C1600 C1601	1-106-184-00 1-102-117-00 1-106-180-00	MYLAR MYLAR CERAMIC MYLAR MYLAR	0.01MF 0.0033MF 820PF 0.0022MF 0.033MF	10% 10% 10% 10% 10%	100V 100V 50V 100V	D13 D14 D15 D16 DY1	*1-508-767-00 *1-508-766-00 *1-560-290-00 *1-508-765-00 *1-508-765-00	4P PLUG (M) PLUG, CONNEC 3P PLUG (M)	TOR (2.5MM F	PITCH)	
C1602 C1604 C1605 C1606 C1607	1-123-357-00 1-123-332-00	MYLAR ELECT ELECT ELECT ELECT	0.0033MF 47MF 22MF 47MF 100MF	10% 20% 20% 20% 20%	100V 50V 50V 16V 50V	DY2 DY3	*1-508-765-00 *1-508-766-00	4P PLUG (M)			
C1608 C1609	1-129-701-00	FILM MYLAR ELECT	0.01MF 0.033MF 220MF	5% 10% 20%	100V 100V 50V	D605 D606 D607 D609		DIODE 1SS119 DIODE 1SS119			



Ref.No. Part No.	<u>Description</u> <u>Remark</u>	Ref.No.	Part No.	Description		Remark
D610 8-719-102-72 D621 8-719-911-55 D622 8-719-911-55 D623 8-719-911-55 D1501 8-719-911-19	DIODE RD5.6E-N3 DIODE U05G DIODE U05G DIODE U05G DIODE U55G DIODE ISSI19	L1519 L1520 L1522A	1-407-365-00 1-407-365-00 .1-459-485-11 TRA	COTI CHOKE		Ataca Cara
D1301 0-719 3-1 10		İ				
D1502 8-719-190-00 D1503 8-719-100-35 D1504 8-719-911-55 D1507 8-719-100-35 D1508 8-719-101-58	DIODE RD24E-BZ7 DIODE RD5.6E-B2 DIODE UOSG DIODE RD5.6E-B2 DIODE RD5.6E-L2	Q602 Q603 Q1501 Q1502 Q1503	8-729-965-22 8-729-378-84 8-729-204-83 8-729-245-83 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2	SD788 SA1048GR SC2458	
D1509 8-719-911-19 D1510 8-719-911-19 D1511 8-719-911-19 D1512 8-719-911-19 D1513 8-719-300-76	Description Remark DIODE RD5.6E-N3 DIODE U05G DIODE U05G DIODE U05G DIODE ISSI19 DIODE RD24E-BZ7 DIODE RD5.6E-B2 DIODE U05G DIODE RD5.6E-B2 DIODE RD5.6E-B2 DIODE RSSI19 DIODE ISSI19 DIODE ISSI19 DIODE ISSI19 DIODE ISSI19 DIODE ISSI19 DIODE RHIA DIODE 10E2	Q1504 Q1506 Q1507 A Q1508 A Q1509	8-729-245-83 8-729-204-83 \8-729-169-02 \8-729-122-02 8-729-195-82	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA1048GR SC2690A SA1220A	ja. eta 1 1999. Teripiral 1999
D1515 8-719-911-55 D1516 8-719-200-02	DIODE 1053 DIODE 1052 DIODE 155119	Q1510 Q1511 Q1513 Q1514 Q1515	8-729-204-83 8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2458 SC2458 SC2458	
D1652 8-719-300-91 D1653 8-719-300-76 D1654 8-719-901-19 D1655 8-719-305-15 D1656 8-719-305-15	DIODE EMIZS DIODE RHIA DIODE VIIN DIODE GH3F	Q1516 Q1517 Q1521 Q1522	8-729-245-83 8-729-245-83 8-729-122-02 8-729-169-02 8-729-378-84	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2458 SA1220A SC2690A	
D1657 8-719-900-26 D1658 8-719-911-55 D1659 8-719-911-55 D1660 8-719-300-65	DIODE ER029-08J DIODE U05G DIODE U05G DIODE ESIF	Q1524/1 Q1525 Q1527	8-729-901-72 4-342-013-00 8-729-245-83 8-729-175-22	TRANSISTOR 2 SPACER, MICA TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	\$C3317 , Q1524 \$C2458 \$C2752 \$D1497-06	
FU	<u>se</u>	l disco			3,02,33,000,000	COLD COLD ACCOUNTS TO LIGHT OF AN AND AND ACCOUNTS AND
E 601 M 1 E 22 E 27 11	EUSE, GLASS TUBE 7A/125V	ļ	RES	SISTOR		
1-517-072-00 <u>IC</u>	LAMP HOLDER, F601 IC UPC1377C IC TDA1082	R602 R603 R604		CARBON METAL OXIDE		1/4W 1/4W 1W F 540
IC1501 8-759-100-60 IC1502 8-759-905-39	IC UPC1377C IC TDA1082	R606/A R607 R608	1-247-040-11 1-247-855-00 1-247-131-00	CARBON	1K 5% 10K 5% 1K 5%	1/8W F 1/6W 1/4W
co	IL_	R620 <u>A</u>	1-202-723-51	SOLID 30120	2.2M 10%	111/2W
L1504 1-408-225-00	COIL, DUST CORE MICRO INDUCTOR 3.3UH MICRO INDUCTOR 3.3UH	1 KDZZW	1-202-723-51 1-205-768-11 1-246-525-00	CEMENTED	1.2 5% 150K 5%	21/2W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
L1506 1-408-225-00 L1507 / 1-459-104-11	MICRO INDUCTOR 3.3UH COIL, DUST CORE	R1500	1-246-525-00 1-247-831-00	CARBON	1K 5%	1/4W 1/6W
L1508 1-407-877-00 L1509 1-459-119-00 L1512 1-459-215-00	MICRO INDUCTOR 15MMH COIL, DUST CORE(ARC) CORE COIL	R1501 R1502 R1503	1-247-155-00 1-206-700-00 1-247-815-00	METAL OXIDE CARBON	10K 5% 33K 5% 220 5%	1/4W 2W F 1/6W
L1513 1-459-104-00 L1514/,1-459-308-31	COIL, DUST CORE COIL, HORIZONTAL LINEARITY	R1505	1-247-819-00 1-247-845-00	CARBON CARBON	330 5% 3.9K 5%	1/6W 1/6W
L1515/-1-421-390-11	COIL, FERRITE (PMC) MICRO INDUCTOR 2.2MMH	R1507	1-247-107-00 1-246-536-00 1-247-163-00	CARBON CARBON CARBON	100 5% 430K 5% 22K 5%	1/4W 1/4W 1/4W
L1517 1-407-365-00 L1518 1-407-365-00	COIL, CHOKE	R1509	1-247-863-00	CARBON	22K 5%	1/6W

The components identified by shading and mark A are critical for safety. Replace only with part number specified.



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Ref.No. Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
R1510 1-247-877-00 R1511 1-247-868-00 R1512 1-247-819-00 R1513 1-247-177-00 R1514 1-247-143-00	CARBON CARBON CARBON CARBON CARBON		5% 5% 5% 5%	1/6W 1/6W 1/6W 1/4W 1/4W		R1566 R1567 R1568 R1569 R1570	1-247-034-00 1-213-141-00 1-247-797-00 1-213-148-00 1-247-835-00	CARBON METAL OXIĐE CARBON METAL OXIDE CARBON	220 680 39 2.7K 1.5K	5% 5% 5% 5% 5%	1/8W 1W 1/8W 1W 1/6W	F F F
R1515 1-247-857-00 R1516 1-247-867-00 R1517 1-247-827-00 R1518 1-247-827-00 R1519 1-247-851-00	CARBON CARBON CARBON CARBON CARBON	12K 33K 680 680 6.8K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W		R1571 R1572 R1573 R1574 R1575	1-247-167-00 1-247-873-00 1-247-855-00 1-247-843-00 1-247-835-00	CARBON CARBON CARBON CARBON CARBON	33K 56K 10K 3.3K 1.5K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	•
R1520 1-247-135-00 R1521 1-247-177-00 R1522 1-215-463-00 R1523 1-247-857-00 R1524 1-247-158-00	CARBON CARBON METAL CARBON CARBON	1.5K 82K 56K 12K 13K	5% 5% 1% 5% 5%	1/4W 1/4W 1/6W 1/6W 1/4W		R1576 R1577 MR1578∕ R1579 R1580		CARBON CARBON METAL METAL CARBON	220 1K 390 470	5% 5% 1% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	e stere
R1525 1-247-845-00 R1526 1-247-867-00 R1527 1-247-155-00 R1528 1-247-839-00 R1529 1-214-753-00	CARBON CARBON CARBON CARBON METAL		5% 5% 5% 5% 1%	1/6W 1/6W 1/4W 1/6W 1/4W		R1581 R1582 R1583 R1584 R1585	1-247-837-00 1-246-485-25 1-212-364-00 1-213-147-00 1-247-171-00	CARBON CARBON METAL OXIDE METAL OXIDE CARBON	1.8K 3.3K 2.2 2.2K 47K	5% 5% 5% 5%	1/6W 1/4W 1W 1W 1/4W	F F
R1530 1-214-750-00 R1531 1-247-855-00 R1533 1-206-692-00 R1534 1-206-692-00	METAL METAL CARBON METAL OXIDE METAL	10K 15K	1% 5% 5%	1/6W 2W	F	R1586 R1587 R1588 R1589 R1590	1-206-463-00 1-206-463-00 1-247-161-00 1-247-855-00 1-249-421-11	METAL OXIDE METAL OXIDE CARBON CARBON CARBON	10 10 18K 10K 2.2K	5% 5% 5% 5% 5%	2W 2W 1/4W 1/6W 1/6W	F
R1535A. R1537 1-214-783-00 R1538 1-214-753-00 R1539 1-247-177-00 R1540 1-246-545-00	METAL METAL METAL CARBON CARBON		1% 1% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	•	R1591 R1592 R1593 R1594 R1595	1-247-849-00 1-247-843-00 1-247-831-00 1-247-857-00 1-247-875-00	CARBON CARBON CARBON CARBON CARBON	5.6K 3.3K 1K 12K 68K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1541 1-202-723-00 R1543 1-214-750-00 R1544 1-214-779-00 R1545 1-214-781-00 R1546 1-247-831-00	SOLID METAL METAL METAL CARBON	7.5K 120K	10% 1% 1% 1% 5%	1/2W 1/4W 1/4W 1/4W 1/6W		R1596 R1597 R1598 R1599 R1600	1-247-879-00 1-247-847-00 1-247-875-00 1-249-421-11 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	100K 4.7K 68K 2.2K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	•
R1547 1-214-766-00 R1548 1-247-119-00 R1549 1-247-833-00 R1550 1-213-161-00 R1551 1-247-131-00	METAL CARBON CARBON METAL OXIDE CARBON	36K 330 1.2K 33K 1K	1% 5% 5% 5% 5%	1/4W 1/4W 1/6W 1W 1/4W	F	R1601 R1602 R1603 R1604 R1605	1-247-867-00 1-247-717-11 1-247-167-00 1-247-855-00 1-247-871-00	CARBON CARBON CARBON CARBON CARBON	33K 2.2K 33K 10K 47K	5% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/6W 1/6W	
R1552 1-247-109-00 R1553 1-213-155-00 R1554 1-247-807-00 R1555 1-247-879-00	CARBON METAL OXIDE CARBON CARBON CARBON		5% 5% 5% 5%	1/4W 1W 1/6W 1/6W 1/4W	F	R1609	1-247-871-00 1-247-833-00 1-247-875-00 1-247-875-00 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	47K 1.2K 68K 68K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	·
R1558 1-247-903-00 R1559 1-247-903-00 R1560 <u>A</u> 1-247-033-11 R1561 <u>A</u> 1-246-993-11 R1562 1-213-145-00	CARBON CARBON	1M 1M 100 470 1.5K	5% 5% 5% 5%	1/8W	F 10259 F 20179 F	R1611 R1612 R1613 R1614 R1616	1-247-831-00 1-247-107-00 1-247-875-00 1-247-855-00 1-247-143-00	CARBON CARBON CARBON CARBON CARBON	1K 100 68K 10K 3.3K	5% 5% 5% 5% 5%	1/6W 1/4W 1/6W 1/6W 1/4W	
R1563 1-212-361-00 R1564 1-212-361-00 R1565 1-246-984-TT	METAL OXIDE METAL OXIDE CARBON	1.2 1.2 22	5%. 5% 5%	1W	F F	R1618	1-247-863-00 1-247-847-00 1-247-863-00	CARBON CARBON CARBON	22K 4.7K 22K	5% 5% 5%	1/6W 1/6W 1/6W	

The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.



Ref.No. Part No.	Description	Remark	Ref.No.	Part No.	Description			Remark
R1620 1-247-843-00	CARBON 3.3K 5% 1/6W		i	REL	AY			
P1621 1-247-799-00	CARBON 47 5% 1/8W		DV601	N1-515-491-11	DEL AV (POWER	1	NANT 1002 40	7.77
R1622 1-247-799-00	CARBON 47 5% 1/8W CARBON 10 5% 1/8W		1 1 1 1 1 1 1	71-2140031-11	MEENT (1 ONE)		en den en en en en en en en en en en en en e	SERVICE CONTRACTOR OF
R1623 A 1-246-982-11 R1624 1-247-855-00	CARBON 10K 5% 1/6W	CAST CONSUMER		SPA	RK GAP			
	CARBON 47K 5% 1/6W		SG1501	1-519-063-XX	DISCHARGING	GAP		
R1625 1-247-871-00	CARBON 47K 5% 1/6W CARBON 33 5% 0 1/8W	F 6980	1					
P1627 1-247-791-00	CARBON 22 5% 1/8W	F		TRA	NSFORMER			
R1631 1-247-153-00 R1632 1-247-877-00	CARBON 8.2K 5% 1/4W CARBON 82K 5% 1/6W			1-448-019-11	TRANSFORMER,	POWER (10)	096.000	
			T602	1-421-730-11	LFT	DOTVE		
R1633 1-247-863-00 R1634 1-247-863-00	CARBON 22K 5% 1/6W CARBON 22K 5% 1/6W			1-413-059-00			FT)	
R1634 1-247-863-00 R1635 1-214-775-00	METAL 82K 1% 1/4W				-			
R1636 1-247-861-00	CARBON 18K 5% 1/6W		1	THE	RMISTOR			
R1637 1-247-857-00	CARBON 12K 5% 1/6W		THP 601	M1-806-214-31	THERMISTER,	POSITIVE		
R1638 1-247-815-00				*****	*******	******	*****	******
R1639 1-213-133-00 R1640 1-247-817-00								
R1640 1-247-81/-00 R1641 1-247-843-00	CARBON -3.3K 5% 1/6W		İ	*A-1381-024-A	U BOARD, COM			•
R1642 1-247-845-00	CARBON 3.9K 5% 1/6W				*******	*****		
R1643 1-247-825-00	CARBON 560 5% 1/6W		i	1-536-889-11	TERMINAL BOA		UTPUT	
R1644 1-247-807-00	CARBON 100 5% 1/6W		!	*1-560-984-00	CONNECTOR (F	LUG) 34P		
R1649 1-247-111-00 R1651 1-246-979-11	CARBON 150 5% 1/4W CARBON 1.2 5% 1/8W		i	CAF	ACITOR			
R1652 A 1-246-979-11						1110	-20%	50V
R1653 1-206-511-00		F	C801 C802	1-123-380-00 1-123-380-00		1MF 1MF	20% 20%	50V 50V
R1654 A 1-213-146-61	METAL OXIDE 1.8K 5% 1W	i F iyosa	[C803	1-123-380-00	ELECT	1MF	20%	50V
R1655 1-247-853-00	CARBON 8.2K 5% 1/6W		C804 C805	1-123-380-00 1-123-380-00	ELECT ELECT	1MF 1MF	20% 20%	50V 50V
R1656 A 1-206-733-61 R1657 1-207-453-00	METAL OXIDE 2.2K 5% 3W WIREWOUND 0.15 10% 1/2W		1	1-123-300-00	CCCCT	2111	LON	
			C806	1-123-611-00		1MF	20%	50V 50V
R1658 1-247-835-00 R1659 1-247-696-11			C807 C808	1-123-611-00 1-123-324-00		IMF 1000MF	20% 20%	16V
R1659 1-247-696-11 R1660 1-206-658-00		F .	C809	1-123-324-00	ELECT	1000MF	20%	16V
R1661 1-213-141-00	METAL OXIDE 680 5% 1W	F	C810	1-123-324-00	ELECT	1000MF	20%	16V
R1662 1-213-128-00	METAL OXIDE 56 5% 1W	F	C811	1-123-611-00	ELECT	1MF	20%	50V
R1663 1-212-368-00	METAL OXIDE 4.7 5% 1W	F	j C812	1-123-611-00	ELECT	1MF	20%	50V
R1664 1 -247-035-11	CARBON 270 5% 1/8W METAL OXIDE 82 5% 2W	, F 1101 F	C813	1-123-380-00 1-123-380-00	ELECT	IMF IMF	20% 20%	50V 50V
R1665 1-206-485-00 R1666 1-206-485-00	METAL OXIDE 82 5% 2W	F	C815	1-123-380-00	ELECT	1MF	20%	50V
R1667 1-247-756-11		F	1 0016	1-123-380-00	ELECT	1MF	20%	50V
VΔ	RIABLE RESISTOR		C816 C817	1-123-300-00		100MF	20%	6.3V
_			C818	1-123-318-00		33MF	20%	167
RV1501 1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K		C819 C820	1-123-308-00 1-102-125-00		220MF 0.0047MF	20% 10%	10V 50V
RV1503 1-228-717-00 RV1504 1-228-727-00	RES, ADJ, CERAMIC CARBON 220 RES, ADJ, CERAMIC CARBON 47K		1					
RV1505 1-228-727-00	RES, ADJ, CERAMIC CARBON 47K		C821	1-102-965-00 1-102-965-00		39PF 39PF	5% 5%	50V 50V
RV1506 1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		C822	1-102-965-00		39PF	5%	50V
RV1507 1-228-727-00	RES, ADJ, CERAMIC CARBON 47K		C824	1-123-820-00	ELECT	. 33MF	20%	16V
RV1508 1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		C825	1-123-820-00	ELECT	33MF	20%	16V
RV1509 1-228-727-00 RV1510 1-228-728-00	RES, ADJ, CERAMIC CARBON 100K		C826	1-123-820-00		33MF	20%	16V
RV1511 1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K		C827	1-102-824-00 1-101-880-00		470PF 47PF	5% 5%	50V 50V
RV1512 1-228-718-00	RES. ADJ. CERAMIC CARBON 330		C829	1-101-880-00		100MF	20%	167
RV1513 1-228-720-00								

V-25XBR 1-724/APM-X3U



Ref.No. Part No.	Description		Remark	Ref.No.	Part No.	Description				Remark
C832 1-123-622-00 C834 1-123-318-00 C835 1-123-820-00 C836 1-123-820-00 C837 1-123-318-00	ELECT 22MF ELECT 33MF ELECT 33MF ELECT 33MF ELECT 33MF	20% 20% 20% 20% 20%	16V 16V 16V 16V 16V	Q817 Q818 Q819 Q820 Q821	8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2458 SC2458 SC2458			
C839 1-123-380-00 C842 1-123-321-00 C843 1-123-318-00 C845 1-123-356-00 C846 1-119-358-00	ELECT 1MF ELECT 220MF ELECT 33MF ELECT 10MF ELECT 22MF	20% 20% 20% 20%	50V 16V 16V 16V 16V	Q822 Q823 Q824 Q825 Q826	8-729-204-83 8-729-204-83 8-729-245-83 8-729-204-83 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SA10486 SC2458 SA10486	iR		.**
C847 1-102-125-00 C851 1-123-333-00 C852 1-123-318-00 C853 1-102-125-00 C880 1-123-307-00	CERAMIC 0.0047MF ELECT 100MF ELECT 33MF CERAMIC 0.0047MF ELECT 100MF	10% 20% 20% 10% 20%	50V 16V 16V 50V 6.3V	Q827 Q828 Q829 Q830 Q831	8-729-245-83 8-729-245-83 8-729-204-83 8-729-204-83 8-729-204-83	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2458 SA10486 SA10486	R		
DIC	DDE		0	Q832 Q833	8-729-204-83 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2		R		
D801 8-719-102-73 D802 8-719-102-73 D803 8-719-102-73	DIODE RD6.2E-N1 DIODE RD6.2E-N1 DIODE RD6.2E-N1			Q834 Q835	8-729-245-83 8-729-245-83	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC 2458			
D806 8-719-102-73					RES	ISTOR				
D807 8-719-911-19 D808 8-719-911-19 D809 8-719-911-19	DIODE 155119 DIODE 155119			R801 R802 R803	1-247-123-00 1-247-873-00 1-247-873-00		470 56K 56K	5% 5% 5%	1/4W 1/6W 1/6W	
D814 8-719-911-19 D815 8-719-911-19 D816 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			R804 R805	1-247-115-00 1-247-879-00	CARBON CARBON	220 100K	5% 5%	1/4W 1/6W	
D817 8-719-911-19 D818 8-719-102-73	DIODE 1SS119 DIODE RD6.2E-N1			R806 R807 R808	1-247-873-00 1-247-873-00 1-247-179-00	CARBON CARBON CARBON	56K 56K 100K	5% 5% 5%	1/6W 1/6W 1/4W	
īc				R809 R810	1-246-543-00 1-247-831-00	CARBON CARBON	820K 1K	5% 5%	1/4W 1/6W	
IC801 8-759-240-52 IC802 8-759-240-52 IC803 8-759-900-09 IC804 8-759-140-53 IC805 8-759-240-52	IC TC4052BP IC TC4052BP IC SN74LS09N IC UPD4053BC IC TC4052BP			R811 R812	1-247-115-00 1-247-847-00 1-247-869-00 1-247-847-00 1-247-855-00	CARBON CARBON CARBON CARBON CARBON	220 4.7K 39K 4.7K 10K	5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	
IC806 8-759-900-05 IC807 8-759-145-58	IC SN74LS05N IC UPC4558C			R816	1-247-855-00	CARBON	10K	5%	1/6W	
CO:				R817	1-247-123-00 1-247-131-00	CARBON CARBON	470 1K	5% 5%	1/4W 1/4W	
	MICRO INDUCTOR 2.2MMH			R819 R820	1-247-131-00 1-247-901-00	CARBON CARBON	1K 820K	5% 5%	1/4W 1/6W	
	MICRO INDUCTOR 47UH			R821	1-247-869-00	CARBON	39K	5%	1/6W	
TRA	ANSISTOR			R822 R823	1-247-115-00 1-247-107-00	CARBON CARBON	220 100	5% 5%	1/4W 1/4W	
0803 8-729-204-83 0804 8-729-204-83	TRANSISTOR 2SA1048GR TRANSISTOR 2SA1048GR TRANSISTOR 2SA1048GR			R824 R825 R827	1-247-117-00 1-247-815-00 1-247-893-00	CARBON CARBON	270 220 390K	5% 5%	1/4W 1/6W 1/6W	
0805 8-729-245-83 0806 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458	+		R828	1-247-893-00		390K	5%	1/6W	
Q807 8-729-245-83 Q812 8-729-245-83 Q813 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458 TRANSISTOR 2SC2458			R829 R830 R831 R832	1-246-507-00 1-246-507-00 1-246-507-00 1-246-507-00	CARBON CARBON	27K 27K 27K 27K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
Q814 8-729-245-83 Q815 8-729-245-83	TRANSISTOR 2SC2458 TRANSISTOR 2SC2458			R833 R834	1-246-507-00 1-247-865-00	CARBON	27K 27K	5% 5%	1/4W 1/6W	•
Q816 8-729-245-83	TRANSISTOR 2SC2458			NOOT	1-647-000-00	0,0011	L/11	5,0	*/ ***	

KV-25XBI RM-724/APM-X3



													And Lineary Co. No.
Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description			+ _	Remark
0.035	1 247 002 00	CARBON	390K	Eé	1/6W		R 895	1-247-155-00	CARBON	10K	5%	1/4W	
R835	1-247-893-00	CARBON	820	5%	1/4W			1-247-155-00	CARBON	10K	5%	1/4W	-
R837	1-247-129-00		470K	5%			R896 R897	1-247-155-00	CARBON	10K	5%	1/6W	
R838	1-247-895-00	CARBON			1/6W		R898	1-247-855-00	CARBON	10K	5%	1/6W	
	1-246-537-00	CARBON	470K	5%	1/4W								
R 840	1-247-104-00	CARBON	75	5%	1/4W		R899	1-247-115-00	CARBON	220	5%	1/4W	
		al ayas as as a					R900	1-247-107-00	CARBON	100	5%	1/4W	
R841	1-247-149-00	CARBON	5.6K	5%	1/4W		R901	1-247-131-00	CARBON	1K	5%	1/4W	
R842	1-247-149-00	CARBON	5.6K	5%	1/4W							4.260	
R843	1-247-155-00	CARBON	10K	5%	1/4W		R902	1-247-131-00	CARBON	1K	5%	1/4W	
R 844	1-247-155-00	CARBON	10K	5%	1/4W		R903	1-247-105-00	CARBON	82	5%	1/4W	
R845	1-247-895-00	CARBON	470K	5%	1/6W		J R904	1-247-105-00	CARBON	82	5%	1/4W	
							R905	1-247-105-00	CARBON	82	5%	1/4W	
R846	1-247-104-00	CARBON	75	5%	1/4W		R906	1-247-115-00	CARBON	220	5%	1/4W	
R 847	1-246-507-00	CARBON	27K	5%	1/4W		1	**				- 1	
R848	1-246-507-00	CARBON	27K	5%	1/4W		R908	1-247-861-00	CARBON	18K	5%	1/6W	
R849	1-247-131-00	CARBON	1K	5%	1/4W		R909	1-247-867-00	CARBON	33K	5%	1/6W	, *
R850	1-247-131-00	CARBON	1K	5%	1/4W		R910	1-247-861-00	CARBON	18K	5%	1/6W	
					•		R911	1-247-879-00	CARBON	100K	5%	1/6W	
R851	1-247-155-00	CARBON	10K	5%	1/4W		R912	1-247-879-00	CARBON	100K	5%	1/6W	
R852	1-247-863-00	CARBON	22K	5%	1/6W		1						
R853	1-246-463-00	CARBON	390	5%	1/4W		R913	1-247-847-00	CARBON	4.7K	5%	1/6W	1
R 854	1-247-104-00	CARBON	75	5%	1/4W		R914	1-247-847-00		4.7K	5%	1/6W	
R 855	1-247-147-00		4.7K	5%	1/4W		R915	1-247-823-00	CARBON	470	5%	1/6W	
K033	1-247-147-00	CANDON	7.71	370	1/ 71		R916	1-247-823-00	CARBON	470	5%	1/6W	
0.056	1 247: 121 00:	CADRON	1K	5%	1/4W		R917	1-247-827-00	CARBON	680	5%	1/6W	
R856	1-247-131-00		18K	5%	1/4W		1 1327	1-247-027-00	CARDON	000	J /6	17011	
R857	1-247-161-00	CARBON	82K	5%			R918	1-247-835-00	CARBON	1.5K	5%	1/6W	
R858	1-247-877-00			5%	1/6W		R919	1-247-855-00	CARBON	10K	5%	1/6W	Mark State Committee
R859	1-247-831-00	CARBON	1K		1/6W		R921	1-247-831-00		1K	5%	1/6W	
R860	1-247-115-00	CARBON	220	5%	1/4W			1-247-131-00	CARBON				
		- O + O D O W	4 710		1 //11	т	R922		CARBON	1K	5%	1/4W	
R861	1-247-147-00	CARBON	4.7K	5%	1/4W		R923	1-247-871-00	CARBON	47K	5%	1/6W	
R862	1-247-831-00	CARBON	1K	5%	1/6W		0004	1 047 071 00	CADDON	474	- ~	1.700	
R863	1-247-835-00	CARBON	1.5K	5%	1/6W		R924	1-247-871-00	CARBON	47K	5%	1/6W	
R 864	1-247-115-00	CARBON	220	5%	1/4W		R925	1-247-893-00	CARBON	390K		1/6W	
R865	1-247-115-00	CARBON	220	5%	1/4W		R926	1-247-855-00	CARBON	10K	man of the	1/6W	
	- 0	4.611.77.1	2 3425	Serve.	A 10.00 S		R928	1-247-831-00	CARBON	1K	5%	1/6W	
R 866	1-247-835-00	CARBON	1.5K	5%	1/6W		R929	1-247-131-00	CARBON	1K	5%	1/4W	
R867	1-247-835-00	CARBON	1.5K	5%	1/6W								
R 868	1-247-831-00	CARBON	1K	5%	1/6W		R930	1-247-131-00	CARBON	1K	5%	1/4W	
R869	1-247-115-00	CARBON	220	5%	1/4W		R931	1-247-131-00	CARBON	1K	5%	1/4W	
R870	1-247-115-00	CARBON	220	5%	1/4W		R932	1-247-879-00	CARBON	100K	5%	1/6W	3.1
							R934	1-247-879-00	CARBON	100K	5%	1/6W	
R872	1-247-115-00	CARBON	220	5%	1/4W		R938	1-247-143-00	CARBON	3.3K	5%	1/4W	
R873	1-247-115-00	CARBON	220	5%	1/4W		i						
R874	1-247-823-00	CARBON	470	5%	1/6W		R939	1-247-837-00	CARBON	1.8K	5%	1/6W	
R875 .	1-249-459-11	CARBON	12K	5%	1/4W		R940	1-247-879-00	CARBON	100K	5%	1/6W	
R876	1-247-829-00	CARBON	820	5%	1/6W		R941	1-247-131-00	CARBON	1K	5%	1/4W	a 2
		•			_, _,		R942	1-247-104-00	CARBON	75	5%	1/4W	
R879	1-247-823-00	CARBON	470	5%	1/6W		R943	1-247-104-00	CARBON	75	5%	1/4W	
R881	1-247-887-00	CARBON	220K	5%	1/6W				18.		. *	•	
R882	1-247-887-00	CARBON	220K	5%	1/6W		R944	1-247-104-00	CARBON	75	5%	1/4W	-
R883	1-247-855-00	CARBON	10K	5%	1/6W		R947		CARBON	1K	5%	1/4W	
R 884	1-247-855-00		10K	5%	1/6W			1-247-131-00		1K	5%	1/4W	
K004	1-247-033-00	CARDON	LOIN	J 70	1,04		R950	1-247-131-00	CARBON	îĸ	5%	1/4W	
D005	1-247-863-00	CARBON	22K	5%	1/6W			1-246-463-25	CARBON	390	5%	1/4W	
R885° R886			22K	5%	1/4W				10011	030	0.0	-7 -111	4
	1-247-163-00	CARBON	22K	5%	1/6W		8952	1-246-463-25	CARBON	390	5%	1/4W	
R887	1-247-863-00		22K	5%			R955	1-246-535-00	CARBON	390K		1/4W	
R888	1-247-863-00				1/6W		R956	1-247-143-00	CARBON	3.3K	5%	1/4W	•
R889	1-247-831-00	CARBON	1K	5%	1/6W		R957	1-247-143-00	CARBON	220	5% 5%	1/6W	
0.001	1 049 100 00	CARRON	60	Col	4.7/411		R958	1-247-143-00		3.3K		1/4W	
R891	1-247-103-00		68		1/4W		1 4330	1-247-143-00	CARBON	3:3K	3/6	7/ 4M	
R892	1-247-107-00		100	5%	1/4W		R959	1-247-815-00	CADRON	220	5%	1/6W	
R893	1-247-115-00		220	5%	1/4W		V303	1-541-013-00	CARDON	220	J /6	I/ UN	
R894	1-247-123-00	CARBON	470	5%	1/4W								

(V-25XBR M-724/APM-X3U



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Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
RV801 RV802	1-228-848-00	RES, VAR, CAR RES, VAR, CAR	BON 10K			C1125 C1126 C1127	1-123-380-00 1-123-332-00 1-123-380-00 1-123-356-00 1-106-176-00	ELECT ELECT ELECT MYLAR	1MF 47MF 1MF 10MF 0.0015MF	20% 20% 20% 20% 10%	50V 16V 50V 16V 100V
\$801 \$802	1-553-651-00	SWITCH, SLIDE SWITCH, SLIDE				C1130 C1131 C1132	1-106-176-00 1-123-380-00 1-131-345-00 1-123-356-00	MYLAR ELEGT TANTALUM ELECT	0.0015MF 1MF 0.47MF 10MF	10% 20% 10% 20%	100V 50V 35V 16V
	CON	NECTOR				C1133	1-123-318-00	ELECT	33MF	20%	_16V
U1 U2 U3 U4 U5	*1-564-443-11 *1-564-444-11 *1-564-452-41 *1-564-440-11 *1-564-440-11	PLUG, CONNECT PLUG, CONNECT PLUG, CONNECT PLUG, CONNECT	TOR (2.5MM) TOR (2.5MM) TOR (2.5MM)	8P 4P 4P		C1135 C1136 C1137	1-130-301-00 1-123-323-00 1-123-332-00 1-123-332-00 1-123-308-00	FILM ELECT ELECT ELECT ELECT	0.015MF 470MF 47MF 47MF 220MF	5% 20% 20% 20% 20%	100V 16V 16V 16V 10V
U6 U7 U8 U9 U10	*1-564-441-11 *1-564-442-11 *1-564-442-11 *1-564-453-11 *1-564-353-00	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	FOR (2.5MM) FOR (2.5MM) FOR (2.5MM)	6P 6P 5P		C1150 C1151 C1152	1-123-381-00 1-123-381-00 1-123-369-00 1-123-369-00 1-102-074-00	ELECT ELECT ELECT ELECT CERAMIC	2.2MF 2.2MF 4.7MF 4.7MF 0.001MF	20% 20% 20% 20% 10%	50V 50V 25V 25V 50V
U11 U13	*1-564-453-11 *1-564-353-00	PLUG, CONNECT	TOR (2.5MM)	2P	*****	C1155 C1156 C1157	1-102-074-00 1-102-074-00 1-102-074-00 1-123-323-00	CERAMIC CERAMIC ELECT	0.001MF 0.001MF 0.001MF 470MF	10% 10% 10% 20%	50V 50V 50V 16V
	*A-1386-014-A	X BOARD, COM	PLETE			C1161	1-106-212-00 1-106-172-00 1-106-172-00	MYLAR MYLAR MYLAR	0.047MF 0.001MF 0.001MF	10% 10%	100V 100V 100V
•	4-309-378-00	SPACER				C1163	1-106-212-00	MYLAR	0.047MF	10%	100V
	CAP	ACITOR					1-123-356-00 1-123-380-00	ELECT ELECT	10MF 1MF	20% 20%	16V 50V
C1101 C1102 C1103 C1104 C1105	1-123-356-00 1-123-318-00 1-123-356-00	ELECT ELECT ELECT ELECT CERAMIC	33MF 10MF 33MF 10MF 0.001MF	20% 20% 20% 20% 10%	16V 16V 16V 16V 50V	C1167 C1168 C1169	1-102-824-00 1-123-380-00 1-102-824-00 1-123-356-00 1-123-360-00	GERAMIC ELECT CERAMIC ELECT ELECT	470PF 1MF 470PF 10MF 100MF	5% 20% 5% 20% 20%	50V 50V 50V 16V 50V
C1106 C1107 C1108 C1109 C1110	1-123-356-00 1-102-074-00 1-106-196-00	ELECT ELECT GERAMIC MYLAR ELECT	10MF 10MF 0.001MF 0.01MF 1MF	20% 20% 10% 10% 20%	16V 16V 50V 100V 50V	C1172 C1174 C1175	1-124-607-11 1-123-346-00 1-106-208-00 1-123-364-00 1-123-359-00	ELECT ELECT MYLAR ELECT ELECT	2200MF 220MF 0.033MF 1000MF 47MF	20% 20% 10% 20% 20%	50V 35V 100V 50V 35V
C1111 C1112 C1113 C1114 C1115	1-106-196-00 1-123-382-00 1-123-380-00	MYLAR MYLAR ELECT ELECT FILM	0.047MF 0.01MF 3.3MF 1MF 0.0012MF	10% 10% 20% 20% 5%	100V 100V 50V 50V 100V	C1178 C1179 C1180	1-123-359-00 1-123-364-00	MYLAR MYLAR ELECT ELECT MYLAR	0.047MF 0.047MF 47MF 1000MF 0.033MF	10% 10% 20% 20% 10%	100V 100V 35V 50V 100V
C1116 C1117 C1118 C1119 C1120	1-123-321-00 1-106-172-00	ELECT ELECT ELECT MYLAR MYLAR	1MF 1MF 220MF 0.001MF 0.0047MF	20% 20% 20% 10% 10%	50V 50V 16V 100V 100V	C1184 C1185 C1186	1-123-346-00 1-123-356-00 1-123-380-00 1-123-380-00 1-123-380-00	ELECT ELECT ELECT ELECT ELECT	220MF 10MF 1MF 1MF 1MF	20% 20% 20% 20% 20%	35V 16V 50V 50V 50V
	1-102-112-00 1-123-369-00 1-123-380-00	GERAMIC ELECT ELECT	330PF 4.7MF 1MF	10% 20% 20%	50V 25V 50V		1-123-380-00 1-102-074-00 1-123-333-00	ELECT CERAMIC ELECT	1MF 0.001MF 100MF	20% 10% 20%	50V 50V 16V



Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description	_			Remark
	FILM TANTALUM TANTALUM FILM TANTALUM	0.0022MF 0.22MF 0.22MF 0.0022MF 0.47MF	5% 10% 10% 5% 10%	100V 35V 35V 100V 35V	Q1107 Q1108 Q1109	8-729-245-83 8-729-245-83 8-729-204-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SA 1048GR 2SC 2458	1		
C1206 1-130-285-00 C1207 1-130-285-00	FILM FILM FILM FILM	0.033MF 0.0033MF 0.0033MF 0.0033MF 0.0033MF	5% 5% 5% 5%	100V 100V 100V 100V 100V	Q1112 Q1113 Q1114	8-729-204-83 8-729-204-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1048GR 2SC 2458 2SC 2458			
C1210 1-131-371-00 C1211 1-123-332-00 C1212 1-102-125-00 C1213 1-130-297-00 C1214 1-123-586-00	TANTALUM ELECT CERAMIC FILM ELECT	10MF 47MF 0.0047MF 0.01MF 0.1MF	10% 20% 10% 5% 20%	16V 16V 50V 100V 50V	Q1117 Q1118 Q1119	8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC 2458 2SC 2458 2SC 2458			
C1215 1-123-380-00 C1216 1-130-281-00 C1217 1-123-380-00 C1218 1-123-380-00 C1219 1-123-382-00	ELECT FILM ELECT ELECT ELECT	1MF 0.0022MF 1MF 1MF 3.3MF	20% 5% 20% 20% 20%	50V 100V 50V 50V 50V	Q1122 Q1123	8-729-378-84 8-729-245-83 8-729-245-83 8-729-245-83	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2458 2SC2458			
	E. COT	1045	20%	164	!	KES	ISTOR				
C1221 1-102-125-00 C1222 1-123-380-00 C1223 1-131-368-00 C1224 1-123-369-00	ELECT CERAMIC ELECT TANTALUM ELECT	10MF 0.0047MF 1MF 3.3MF 4.7MF	20% 10% 20% 10% 20%	16V 50V 50V 16V 50V	R1102 R1103 R1104	1-247-831-00 1-247-831-00 1-247-867-00 1-247-819-00 1-247-837-00	CARBON CARBON CARBON GARBON CARBON	1K 1K 33K 330 1.8K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
C1225 1-123-356-00	ELECT	10MF	20%	167	1	1 1 1 1		4 704	F-4	1.760	
						1-247-847-00 1-247-867-00	CARBON CARBON	4.7K 33K	5%	1/6W 1/6W	
DIO	DUE				i R1108	1-247-851-00	CARBON	6.8K		1/6W	
D1101 8-719-911-19 D1102 8-719-911-19 D1103 8-719-911-19	DIODE 1SS119)))			R1109 R1110	1-247-859-00 1-247-859-00 1-247-859-00 1-247-859-00 1-247-839-00 1-247-881-00 1-247-863-00	CARBON CARBON	15K 15K	5% 5%	1/6W 1/6W	
D1104 8-719-911-19	DIODE 155119) - NO			RILLI	1-247-849-00	CARBON	5.6K 15K	5%	1/6W 1/6W	
D1105 8-719-102-74	DIODE RD6.28	:-NZ			I R1113	1-247-839-00	CARBON	2.2K		1/6W	
D1106 8-719-102-74	DIODE RD6.28	-N2			R1114	1-247-881-00	CARBON	120K	5%	1/6W	
91100 C 712 CC					R1115	1-247-863-00	CARBON	22K	5%	1/6W	
IC					,	1-247-871-00		47K	5%	1/6W	
IC1101 8-759-800-18	TC 1.A3375					1-247-853-00		8.2K	5%	1/6W	
tc1102 8-759-271-33	IC TA7133P					1-247-866-00	CARBON	30K	5%	1/6W	
101103 8-759-145-58	IC UPC4558C	. ///				1-247-847-00		4.7K 330K	5% 5%	1/6W 1/6W	
IC1104 8-759-140-66 IC1105 8-759-400-88	IC 0PU406680				K1120	1-247-031-00	CARBON	3301	5,6	1,011	
	10 700051				R1121	1-247-879-00	CARBON	100K		1/6W	
IC1106 8-759-140-66	IC UPD4066B0				R1122	1-247-852-00	CARBON	7.5K 1K	5% 5%	1/6W 1/6W	
IC1107 8-759-907-16	IC CX10026					1-247-831-00 1-247-857-00		12K	5%	1/6W	
IC1108 8-749-943-62 IC1109 8-759-145-58	IC UPC 4558C					1-247-855-00		10K	5%	1/6W	
					1	1 047 055 00	CARROLL	102	Ew	1 /611	
TRA	ANSISTOR					1-247-855-00 1-247-879-00		10K 100K	5% 5%	1/6W 1/6W	
Q1101 8-729-245-83	TRANSISTOR	2502458		•	R1128	1-215-433-00	METAL	3.3K	1%	1/6W	
01102 8-729-245-83	TRANSISTOR	2SC 2458			I R1129	1-215-433-00	METAL		1%	1/6W	
01103 8-729-245-83	TRANSISTOR	2SC 2458			R1130	1-247-855-00	CARBON	10K	5%	1/6W	
Q1104 8-729-204-83 Q1105 8-729-245-83	TRANSISTOR	2SA1048GR			R1132 R1133	1-247-827-00 1-247-855-00	CARBON CARBON	680 10K	5% 5%	1/6W 1/6W	

KV-25XBR RM-724/APM-X3U



Ref.No. Part No.	Description			Remark	Ref.No. Par	t No.	Description				Remark
R1134 1-247-855-00 R1135 1-247-843-00 R1136 1-247-803-00 R1137 1-247-835-00 R1138 1-247-819-00	CARBON CARBON CARBON	10K 3.3K 68 1.5K 330	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W		R1190 1-2 R1191 1-2 R1192 1-2 R1193 1-2 R1194 1-2	247-823-00 247-855-00 247-855-00	CARBON CARBON CARBON CARBON CARBON	150 470 10K 10K 10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1139 1-247-861-00 R1140 1-247-851-00 R1141 1-247-871-00 R1142 1-247-871-00 R1143 1-247-871-00	CARBON CARBON CARBON	18K 6.8K 47K 47K 47K	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W	,	R1196 1-2 R1197 1-2		CARBON CARBON CARBON CARBON CARBON	10K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1144 1-247-843-00 R1145 1-247-143-00 R1146 1-247-851-00 R1147 1-247-861-00 R1148 1-247-847-00	CARBON CARBON CARBON	3.3K 3.3K 6.8K 18K 4.7K	5% 1/6W 5% 1/4W 5% 1/6W 5% 1/6W 5% 1/6W		R1204 1-2 R1205 1-2	47-831-00	CARBON CARBON CARBON CARBON CARBON	1K 1K 1K 1K 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1149 1-247-863-00 R1150 1-215-486-00 R1151 1-214-785-00 R1152 1-215-469-00 R1153 1-214-777-00	METAL METAL METAL	220K 100K	5% 1/6W 1% 1/6W 1% 1/4W 1% 1/6W 1% 1/4W			47-847-00	CARBON CARBON CARBON CARBON CARBON	100K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1154 1-214-785-00 R1155 1-215-493-00 R1156 1-215-493-00 R1157 1-246-529-00 R1158 1-247-879-00	METAL METAL CARBON	220K 1M 1M 220K 100K	1% 1/4W 1% 1/6W 1% 1/6W 5% 1/4W 5% 1/6W		R1215 1-2 R1216 1-2	247-893-00 211-427-11	CARBON CARBON CARBON CARBON CARBON	120K 390K	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/8W F 1/6W	
R1159 1-247-886-00 R1160 1-247-115-00 R1161 1-247-863-00 R1162 1-247-847-00 R1163 1-247-851-00	CARBON CARBON CARBON	200K 220 22K 4.7K 6.8K	5% 1/6W 5% 1/4W 5% 1/6W 5% 1/6W 5% 1/6W		R1220 1-2 R1221 1-2 R1222 A 1-2 R1223 1-2 R1224 1-2	247-861-00 211-401-11 211-401-00	CARBON CARBON CARBON CARBON CARBON	15K 18K 4.7 4.7 1K	5% 5% 5% 5% 5%	1/6W 1/6W 1/8W F 1/8W F 1/6W	Oktoper State States A Heavy &
R1164 1-247-861-00 R1165 1-247-848-00 R1166 1-247-835-00 R1167 1-247-833-00 R1168 1-247-847-00	CARBON CARBON CARBON	18K 5.1K 1.5K 1.2K 4.7K	5% 1/6h 5% 1/6h 5% 1/6h 5% 1/6h 5% 1/6h			247-825-00	CARBON CARBON CARBON CARBON CARBON	18K 15K 1K 560 100K	5% 5% 5% 5% 5%	1/4W 1/6W 1/6W 1/6W 1/6W	
R1170 1-247-849-00 R1171 1-247-026-11 R1172 1-247-823-00 R1173 1-247-841-00 R1174 1-247-829-00	CARBON CARBON CARBON	5.6K 5.6 470 2.7K 820	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W	*.F '\		247-831-00 247-831-00 247-831-00	CARBON CARBON CARBON CARBON CARBON	1K 1K 1K 1K 1OOK	5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1175 1-249-421-11 R1176 1-247-815-00 R1177 1-247-863-00 R1180 1-247-855-00 R1181 1-247-847-00	CARBON CARBON CARBON	2.2K 220 22K 10K 4.7K	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W			47-843-00	CARBON CARBON CARBON CARBON CARBON		5% 5% 5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	·
R1182 1-247-838-00 R1183 1-247-838-00 R1184 1-247-829-00 R1185 1-247-829-00 R1186 1-247-838-00	CARBON CARBON CARBON	2K 2K 820 820 2K	5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W 5% 1/6W		R1249 1-2 R1250 1-2 R1251 1-2	47-847-00 47-863-00	CARBON CARBON CARBON	180K 4.7K 4.7K 22K 3.3K	5% 5% 5%	1/6W 1/6W 1/6W 1/6W 1/6W	
R1187 1-247-879-00 R1188 1-247-855-00 R1189 1-247-855-00	CARBON	100K 10K 10K	5% 1/6W 5% 1/6W 5% 1/6W		R1254 1-2	47-865-00 47-847-00 47-847-00	CARBON	27K 4.7K 4.7K		1/6W 1/6W 1/6W	



Ref.No. Part No.	Description			Remark	Ref.No	Part No.	Description			Remark
R1256 1-247-843-00	CARBON	3.3K 5	% 1/6W			DIO	DE			
R1257 1-247-811-00 R1258 1-247-843-00	CARBON CARBON	150 5 3.3K 5	% 1/6W % 1/6W		D1701	8-719-911-19	DIODE 155119		•	
R1259 1-247-869-00 R1260 1-247-893-00	CARBON CARBON		% 1/6W			COI				
R1261 1-247-885-00	CARBON	180K 5			 L1701	1-408-242-00	<u>-</u>	OR 10MMH		
R1262 1-247-844-00 R1263 1-247-893-00	CARBON	3.6K 5 390K 5	% 1/6W			TRA	NSISTOR			
R1288 1-247-848-00 R1289 1-247-885-00	CARBON CARBON	5.1K 5 180K 5	% 1/6W		01701	8-729-245-83		SC2458		
R1290 1-247-811-00			% 1/6W			8-729-204-83				
R1291 1-247-843-00 R1292 1-247-831-00	CARBON	3.3K 5			İ	RES	ISTOR			
R1293 1-247-844-00 R1294 1-247-887-00		3.6K 5	% 1/6W			1-249-421-11		2.2K 5% 10K 5%	1/6W 1/6W	
R1295 1-215-421-00			% 1/6W			1-247-847-00		4.7K 5%	1/6W	
	RIABLE RESISTO		2,011		İ	CON	NECTOR			
		-	PON 10V		XA1	*1-564-440-11	PLUG, CONNEC	TOR (2.5MM)	4 P	
RV1101 1-228-724-00 RV1102 1-228-723-00	RES, ADJ, CE	RAMIC CAR	BON 4.7K		***	******	*****	*****	*****	*****
RV1103 1-228-720-00 RV1104 1-228-722-00 RV1106 1-228-724-00	RES, ADJ, CEI	RAMIC CAR	BON 3.3K			*1-613-413-11	Z BOARD			
RV1107 1-228-721-00			JAC	K						
RV1108 1-228-721-00 RV1109 1-228-725-00		RAMIC CAR RAMIC CAR	BON 2.2K BON 22K		 J001	1-507-806-00	JACK			
RV1110 1-228-724-00	RES, ADJ, CEI				J002 J003	1-507-940-21 1-507-940-21				
	ANSFORMER	DACC				RES	ISTOR			
T1101 1-235-386-11 T1102 1-235-387-11 T1103 1-235-400-11	FILTER, BAND FILTER, LOW	PASS PASS (L.P	·.F)		R001 R002	1-244-851-51 1-244-851-51		120 5% 120 5%	1/2W 1/2W	
T1104 1-231-726-00 T1105 1-231-726-00						CON	NECTOR			
CO	NNECTOR				Z1	*1-564-442-11				
	PLUG, CONNECT				Z2 Z3	*1-564-441-11 *1-564-440-11	PLUG, CONNEC	TOR (2.5MM)	4P	
x2 *1-564-354-00 x3 *1-508-765-00	PLUG, CONNECT 3P PLUG (M)	TOR (2.5M	M) 3P		J Z4	*1-564-440-11	•			
X4 *1-564-440-11 X5 *1-564-442-11					*****	******	*****	*****	******	*****
x6 *1-564-443-11	PLUG, CONNECT	TOR (2.5M	IM) 7P		1		CELLANEOUS			
	PLUG, CONNECT				/	1-230-212-11	RESISTOR ASS	Y. HTGH-VÖLT	TÄGE	
******	******	******	*****	******	1	1-417-125-11	SELECTOR, AN	TENNA		
*1-614-651-11 XA BOARD *******					1-451-255-11 DEFLECTION YOKE (SY-164) 1-452-032-00 MAGNET, DISK; 10MM Ø 1-452-094-00 MAGNET, ROTATABLE DISK; 15MM Ø					
CA	PACITOR				Process of the same of	1-452-146-21	MAGNET, BMC		and the same of the same	
C1701 1-102-116-00		680PF	10%	50V	1	*1-452-315-21 *1-557-056-00	CRT NECK ASS CABLE, P-P	w.co.		
C1702 1-102-117-00 C1703 1-123-356-00		820PF 10MF	10% 20%	50V 16V		1-557-761-11				
C1704 1-123-356-00		10MF	20%	167	L906 /	1-426-059-31	COIL, DEGAUS	SING		SPASSES SES

The components identified by shading and mark $\underline{\Lambda}$ are critical for safety. Replace only with part number specified.

KV-25XBR RM-724/APM-X3U

Ref.No. Part No.	Description	Remark
T901 ∱.1-439-339-1	COIL, DEGAUSSING TRANSFORMER ASSY, FLYB	ACK

ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
A-1470-681-A 1-513-379-00 4-337-844-00 4-374-194-01 4-374-195-01	COMMANDER ASSY(RM-724) CONVERTER (EAC-25) BAG, PROTECTION CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY)	
4-374-402-01 4-482-023-21 4-491-213-22 4-374-321-01 4-374-324-01	SHEET, CORRUGATED FIBERBOARD MANUAL, INSTRUCTION INSTRUCTION INDIVIDUAL CARTON (FOR BEIGE) INDIVIDUAL CARTON (FOR PLUM)	

TRINITRON® COLOR TV KV-25XBR/RM-724

US Model

Chassis No. SCC-595B-A

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CON-

NECTED TO THE AC POWER LINE

SAFETY-RELATED COMPONENT WARNING !!

ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PRO-COMPONENTS IDENTIFIED BY SHADING AND MARK CEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED

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Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Note:

- All Capacitors are in $\mu {\rm F}$ unless otherwise noted, pF: $\mu {\rm \mu} {\rm F}$ 50 WV or less are not indicated except for electrolytics.
 - All resistors are in ohms. 1/6W unless otherwise noted

noted.

- $k\Omega$ = 1000 Ω , $M\Omega$ = 1000 $k\Omega$ Standard for the M Board is 1/4W:
- . nonflamable resistor.
 - : internal component. □ : panel designation.
- All variable and adjustable resistors have characteristics curve B, unless otherwise noted.

tion tolerances.

3 adjustment for repair.

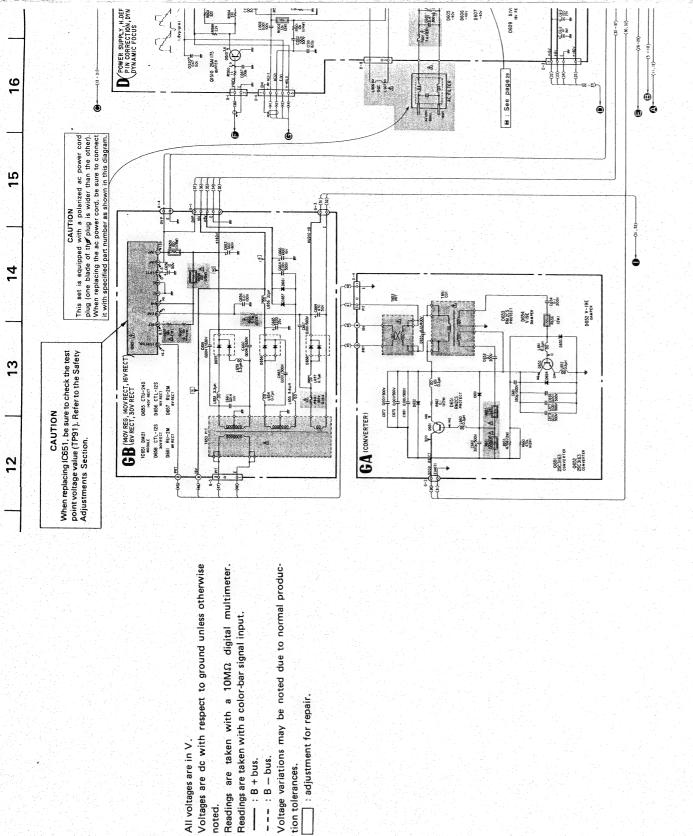
---: B -- bus. - : B + bus.

- The components indentified by K in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- the necessary adjustments indicated. If results do not meet the specified value, change the component identified and repeat the adjustment until the specified When replacing components identified by value is achieved. by N

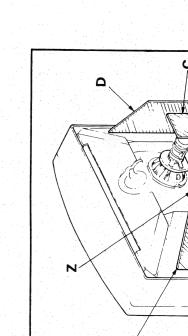
(Refer to R1531, R1534, R1535, R1556, R1578 adjustment on page 29.)

When replacing the part in below table, be sure to perform the related adjustment.

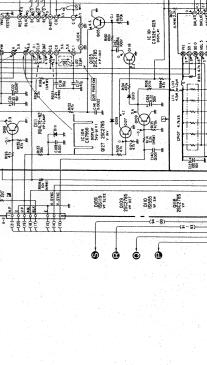
Adjustment (💌)	R1531	R1534, R1535	R1556	R1578
Part replaced (🖪)	D1502, D1507, IC1501 Q1502, Q1503, R427 R431, R437, R438 R1512, R1519, R1529 R1530, R1531, R1532 R1533, R1543, R1544	D1508, D1509, IC301 IC401, Q1506, R339 R340, R348, R436 R1534, R1535, R1537 R1538, R1539, R1561 R1576	C1663, C1664, C1667 C1675, IC1502, L1514 R1556, R1570, R1635 R1636, R1638, RV1511 FBT, DY	C1519, C1663, C1664 C1667, C1675, IC1501 L1514, R1522, R1578 R1579, R1580, R1581 R1582, R1583, RV1503 FBT, DY



9606 -40v -40v



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25C2785 H.P. BAYERT

